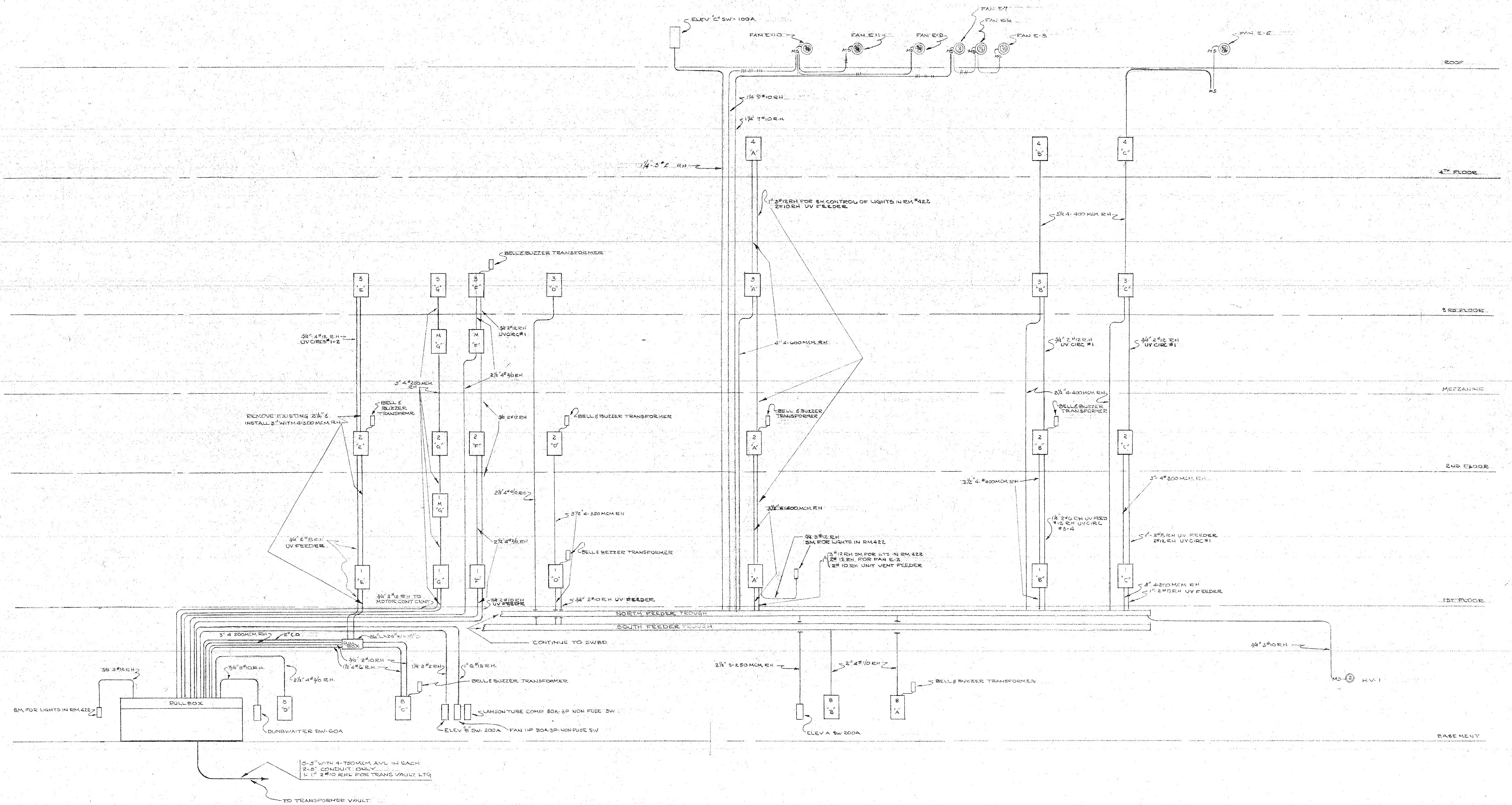


	ELECTRICAL
REVISIONS	LIGHT & POWER FEEDER RISERS
	ALTERATIONS TO MAIN BLD'G FOR THE FREE PUBLIC LIBRARY WASHINGTON ST NEWARK N.J.
	DRAWN BY ERB · SCALE NONE · DATE APR. 1, 50
679 E-10	EPPLE & SEAMAN ARCHITECTS & ENGINEERS 901 BROAD STREET, NEWARK 2, N.J.

RUNOUTS ABOVE FLOOR AND UNDER RADIATORS.

RUNOUTS EXPOSED AT CEILING BELOW.

RUNOUTS CONCEALED IN HUNG CEILING BELOW.

RUNOUT EXPOSED AT CEILING BELOW.

3 PRESENT RADS. @ 24.5 - 57 - 26"H x 66 TO REMAIN.

2 CONVS. @ #748 - 28"EH - 66.4# "SW" ENCL.

1 CONV. @ #740 30" EH x 50.3# "SW" ENCL.

DO - 50.3# DO - 50.3# DO - 50.3#

1 CONV. @ #736 - 20" EH x 44.9# "SW" ENCL.

1 CONV. @ #740 - 30" EH x 50.3# "SW" ENCL.

1 CONV. @ #748 x 30" EH x 61.1# "SW" ENCL.

HV-24 1000

F.A.I. 50" x 10 1/8"

1 CONV. @ 1048 20" EH - 81.6# "OF" ENCL. - 2 1/2" FLANGE

2 CONVS. @ #748 - 24" EH x 61.1 "OF" ENCL. - 2 1/2" FLANGE

1 HV. 4 RADS.

3 PRESENT RADS. @ 45 - 8 3/4" W - 38"H - 26 TO REMAIN.

RUNOUTS EXPOSED AT CEILING BELOW

RUNOUTS EXPOSED AT CEILING BELOW

UNIT HEATER #3 1000 CFM. 60° - 131° F. 272 # EDR. 1/6 HP. MOTOR 50" x 6" G.I. DUCT

T.O. 50 x 8" 4'-0" ABOVE FLOOR

B.G. 50" x 6" 6" ABOVE FLOOR

OFFSET @ CEILING

PRESENT MASONRY FLUE UP TO ROOF

1 CONV. @ 740 24" EH - 50.3# "OF" ENCL. - 2 1/2" FLANGE

1 CONV. @ #740 - 24" EH - 50.3# "OF" ENCL. - 2 1/2" FLANGE

1 CONV. @ 740 24" EH - 50.3# "OF" ENCL. - 2 1/2" FLANGE

HUNG CLG.

DO - 50.3#

HUNG CLG.

RUNOUTS CONCEALED IN WALL SPACE ABOVE THIRD FLOOR.

RUNOUTS EXPOSED AT SECOND FLOOR CEILING

F.A.I. 50" x 10 1/8" HV-29 1000

F.A.I. 50" x 10 1/8" HV-28 1000

4 HV.

F.A.I. 50" x 10 1/8" HV-27 1000

F.A.I. 50" x 10 1/8" HV-26 1000

DO - 50.3#

OIL BURNER THERMOSTAT (NIGHT CONTROL)

1 CONV. @ #1040 - 32 EH x 76.4# "OF" ENCL. - 2 1/2" FLANGE

1 CONV. @ 736 - 24" EH x 50.6# "SW" ENCL.

DO - 50.6# DO - 50.6# DO - 50.6# DO - 50.6#

1 CONV. @ #520 - 28" EH - 50.6# "SW" ENCL.

HV-25 500

2 CONVS. @ 535 - 28" EH - 38# "SW" ENCL.

1 CONV. @ 520 16" EH x 10.6# "SW" ENCL.

5 CONVS. @ #756 - 28" EH x 81.1# "SW" ENCL.

F.A.I. 32" x 10 1/8"

12" x 16" G.I. DUCT FROM MESS. FLOOR UP TO FAN #6

RUNOUTS CONCEALED IN HUNG CEILING BELOW

RUNOUTS EXPOSED AT CEILING BELOW

RUNOUTS EXPOSED AT CEILING BELOW.

NOTE:- ALL RADIATOR RUNOUTS, EXCEPT WHERE OTHERWISE INDICATED ARE 1 1/4" x 1 1/2".

	HEATING & VENTILATING
REVISIONS	THIRD FLOOR PLAN
	ALTERATION TO MAIN BLDG. FOR THE FREE PUBLIC LIBRARY
	WASHINGTON ST. NEWARK, N.J.
	DRAWN BY HF/TWB · SCALE 1/8" = 1'-0" · DATE
679 HV-4	EPPLE & SEAMAN · ARCHITECTS & ENGINEERS · 901 BROAD STREET NEWARK 2, N.J.

SCHEMATIC PIPING DIAGRAM
NOT TO SCALE

SYMBOLS

Symbol	Description
— CR —	CONDENSER WATER RETURN PIPING
— C —	CONDENSER WATER FLOW PIPING
— D —	DRAIN PIPING
— - —	COLD WATER MAKE-UP PIPING
— CH —	CHILLED WATER FLOW PIPING
— CHR —	CHILLED WATER RETURN PIPING
— RL —	REFRIGERANT LIQUID PIPING
— RS —	REFRIGERANT SUCTION PIPING
— RD —	REFRIGERANT DISCHARGE PIPING
	GLOBE VALVE
	GATE VALVE
	UNION - GROUND JOINT TYPE
	UNION - FLANGED TYPE GASKETED
	CHECK VALVE
	STRAINER
	RUBBER HOSE VIBRATION ISOLATOR
	REDUCING COUPLING
T	THERMOMETER

ROOF - SERVICE BUILDING

ROOF PLAN
SERVICE BLDG.
SCALE 1/8" = 1'-0"

PART PLAN - MAIN BLDG.
BASEMENT
SCALE 1/8" = 1'-0"

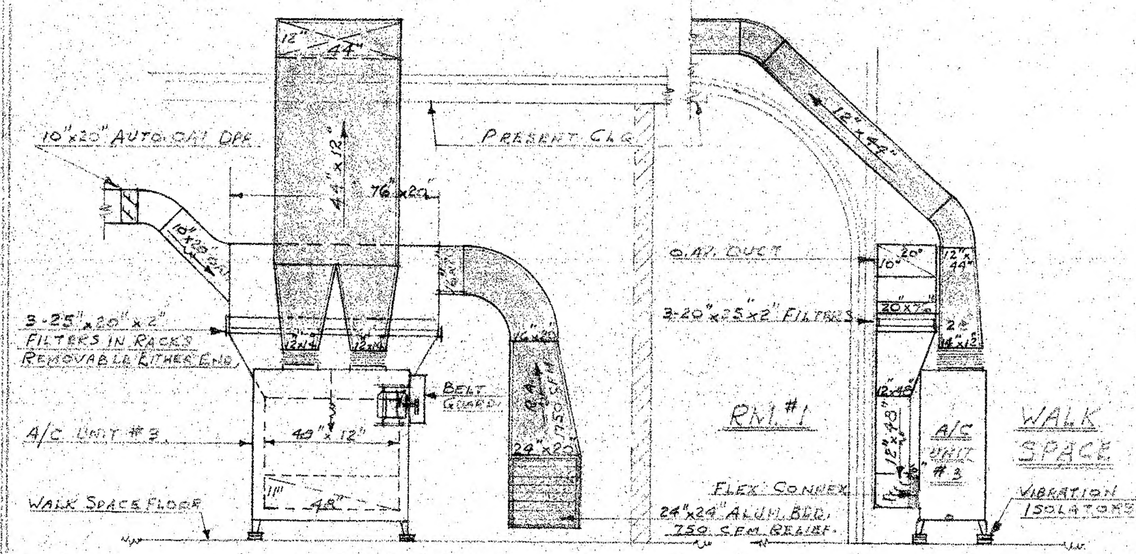
SECTION 1-1
SCALE 1/2" = 1'-0"

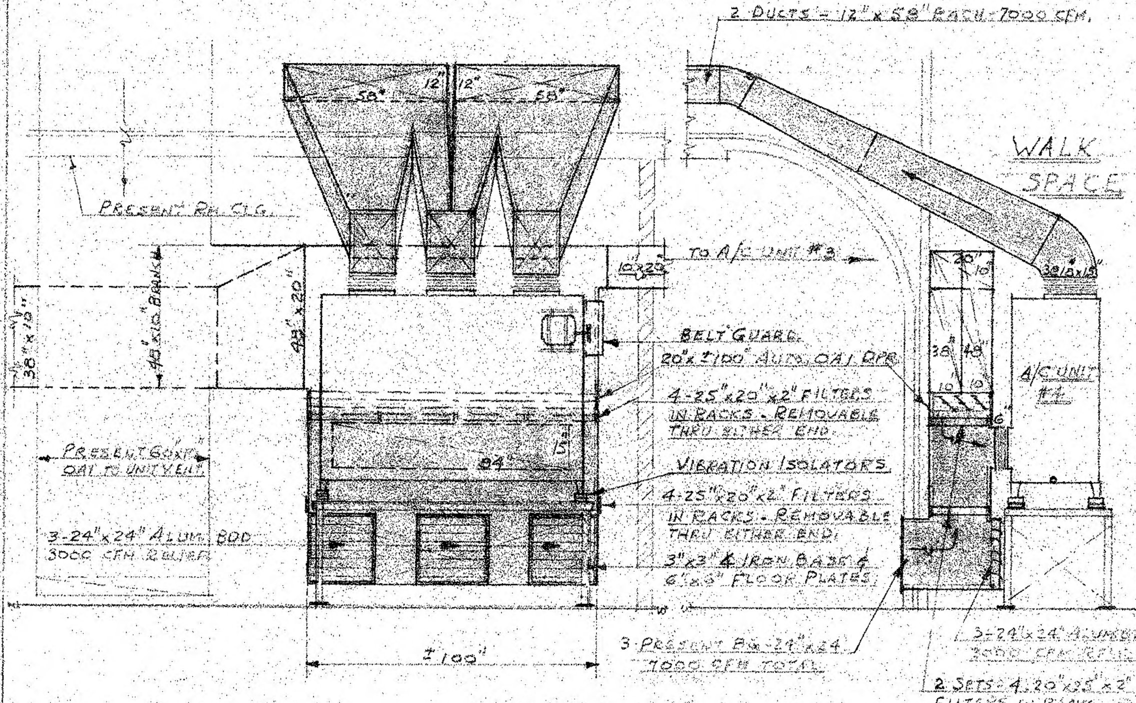
PLAN - PIPING CURB
SCALE 1/2" = 1'-0"

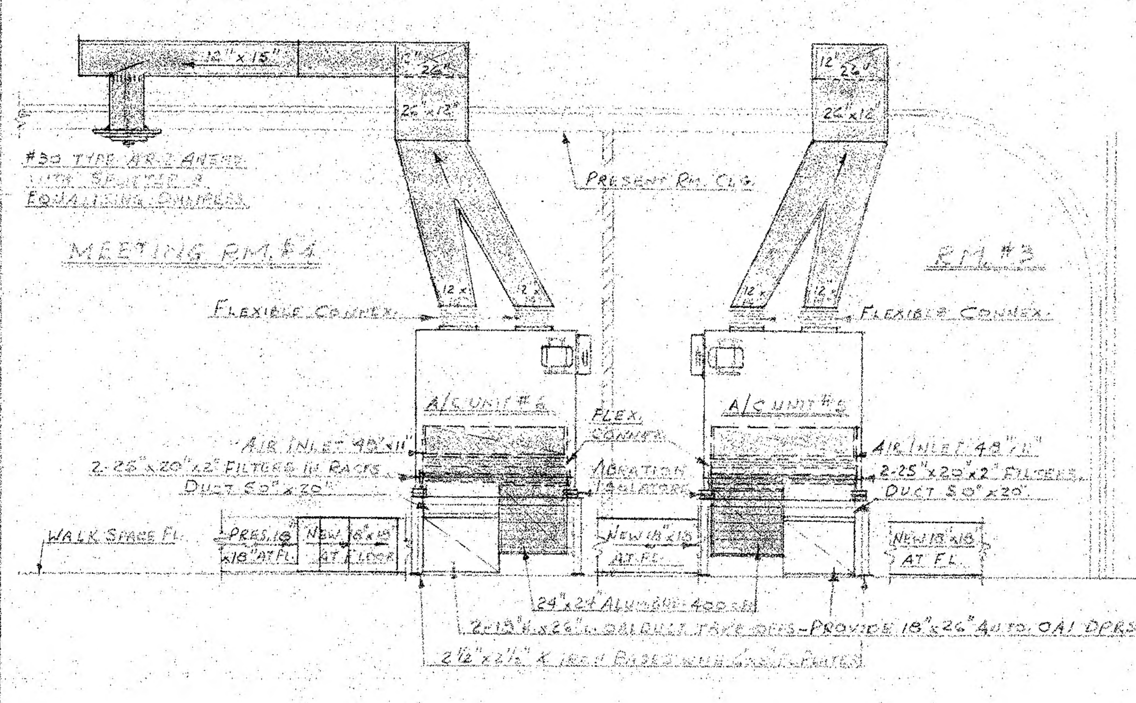
• FOX & TAYLOR •
CONSULTING ENGINEERS
512 ORANGE STREET NEWARK 7, N.J.

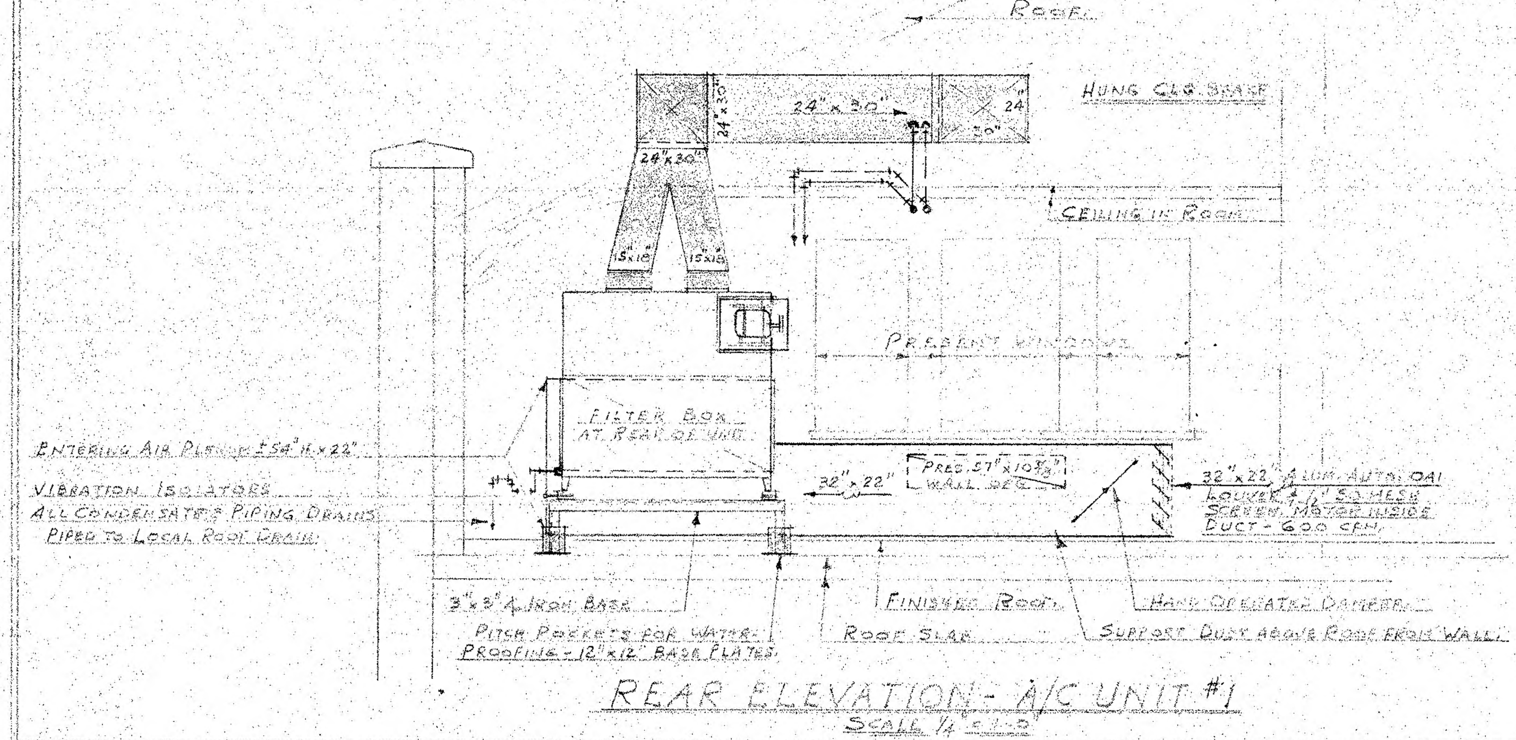
• AIR CONDITIONING •

REVISIONS	• BASEMENT FLOOR PLAN •
	• ALTERATIONS • TO • MAIN • BLDG • FOR • THE • FREE • PUBLIC LIBRARY •
	WASHINGTON ST. NEWARK, N.J.
	DRAWN BY RST / SCALE: AS NOTED / DATE 6-22-53
679	• EPPLE & SEAMAN •
AC-1	• ARCHITECTS & ENGINEERS • 901 BROAD STREET • NEWARK 2, N.J.









FOURTH FLOOR PLAN

SCALE 1/8"=1'0"

CATALOG DEPT 417

MEETING RM #1

MEETING RM #2

MUSIC ROOM 410

WALK SPACE

FLAT ROOF

ROOF

NOTES

1. ALL DUCTWORK SHOWN OVER ROOMS IS CONCEALED IN SUSPENDED CEILING SPACE.
2. ALL SHADED DUCTWORK TO BE LINED WITH ACOUSTIC-THERMAL INSULATION
3. ALL DUCT SIZES & OUTLET LOCATIONS TO BE VERIFIED ON JOB.
4. SEE SCHEMATIC PIPING DETAIL ON DWG. AC-1 FOR ALL PIPING DETAIL. THIS DWG. SHOWS RUN OF PIPE ABOVE CLG. & IN WALK SPACES ONLY.

SYMBOLS

BG - BR	BOTTOM GRILLE OR REGISTER
BDD	ALUMINUM BACK-DRAFT DAMPER.
OAI	OUTDOOR AIR INTAKE
(D)	HAND OPERATED DAMPER
(T)	THERMOSTAT (PNEUMATIC)
—▶— ER	ECCENTRIC REDUCER

-FOX & TAYLOR-
CONSULTING ENGINEERS
512 ORANGE STREET NEWARK 7, N.J.

-AIR CONDITIONING-

REVISIONS

- FOURTH - FLOOR - PLAN -
- ALTERATIONS - TO - MAIN - BLDG -
FOR
- THE - FREE - PUBLIC - LIBRARY -
WASHINGTON ST. NEWARK, N.J.

DRAWN BY RST | SCALE: AS NOTED | DATE 6-22-53

679
AC-2

- EPPLE & SEAMAN -
- ARCHITECTS & ENGINEERS -
901 BROAD STREET - NEWARK 2, N.J.

EXPOSED 100 W EACH FIXTURE

RECEPT. PANEL

EXPOSED

CAMSON TUBE

TO SMOKE ALARM PANEL

SMOKE ALARM PANEL

TROUBLE BELLS (FIRE ALARM)

CONTINUE EXPOSED TO GAUGE GLASS FIXTURES ON BOILER

FOR SMOKE ALARM

WIREWAY

TYPICAL WIREWAY INSTALLATION

SWITCH BOARD

THREE TUBE UNITS

TO LTG PAN B-C

NOTE

ALL CIRCUIT WIRING IN BOOK STACK AREA EXCEPT IN ROOMS No 13-13A SHALL BE RUN IN WIREWAY AS INDICATED.

CIRCUITS #19A-20A-21A ARE NIGHT LIGHT CIRCUITS (CONTINUOUS AISLEWAY LTG)

RUN ALL CIRCUIT WIRING EXPOSED ON THIS FLOOR (EXCEPT WHERE NOTED)

⚠1 GENERAL WIREWAY AND LIGHTING NOTE

THE ENTIRE UNISTRUT-WIREWAY-LIGHTING FIXTURE ASSEMBLY SHALL BE INSTALLED TO MISS THE FEEDER DUCT SYSTEM AT CROSSOVERS, KEEPING BOTH SYSTEMS AS CLOSE TO CEILING AS POSSIBLE.

SEE DRAWING E-2 FOR OTHER CHANGES.

SPECIAL NOTE

IT IS UNDERSTOOD THAT NONE OF THE PRIME CONTRACTORS, OR ANY SUB-CONTRACTOR WILL FOR ANY REASON WHAT-SO-EVER SHUT OFF THE ELECTRIC CURRENT, STEAM, GAS, HOT OR COLD WATER, TO THAT PORTION OF THE LIBRARY BUILDING BEING USED FOR LIBRARY PURPOSES FOR THE PERIOD 8:30 AM TO 9:30 PM, MONDAY THRU FRIDAY, AND FROM 8:30 AM TO 6:00 PM SATURDAY DURING THE PERIOD WHEN WORK IS IN PROCESS. FOR TIMES OTHER THAN THOSE INDICATED ABOVE, APPROVAL MUST BE SECURED IN ADVANCE FOR THE TEMPORARY SHUT OFF OF THESE UTILITIES.

⚠1 LIGHTING REARRANGED IN NEW SW. BD. RM.
LENGTH OF LIGHTING UNIT CHANGED IN SOUTH ROW OF LIGHTS EAST OF SW. BD. RM.
RELOCATED ROW OF LIGHTING UNITS TO MISS FEEDER DUCT RUNNING INTO MOTOR CONTROL CENTER.
REARRANGED LIGHTING OUTLETS IN SPACE #14.
ADDED GENERAL NOTE

ELECTRICAL	
REVISIONS	BASEMENT FLOOR PLAN
⚠1 10/17/50	ALTERATIONS TO MAIN BLDG FOR THE FREE PUBLIC LIBRARY WASHINGTON ST. NEWARK N.J.
	DRAWN BY ERB · SCALE 1/8" = 1'-0" · DATE APR 1 '50
679 E-1	EPPLE & SEAMAN ARCHITECTS & ENGINEERS 901 BROAD STREET NEWARK 2, N.J.

NOTE:

◆ = 5 RUNS OF CONDUIT:
- 1¼ 9#12 RH - OIL BURNER MOTORS
- 1¼ 8#10 RH - OIL HEATERS
- ¾ 4#10 RH - " "
- 1¼ 9#12 RH - 6 FOR 1HP PUMPS & 3 FOR 1/6 HP OIL CIRCULATORS
- ½ 3#12 RH - DRAFT CONTROL

3½" 3-500MCM RH & 1-350MCM RH TO SERVICE BLDG. RUN IN EX. CONDUIT

△1 - △ 30A. 220V 3P. GROUNDED RECEPT.

△1 RECEPTACLE PANEL TO CONSIST OF 2-50A FRAME 30A TRIP 3P BRKS. 4-50A FRAME 15A TRIP 3P BRKS.

3/4" - 3 #12 RH
2½" - 4 #2/0 RH
3" - 4 - 300MCM RH
2½" - 4 #2/0 RH
3/4" - 2 #10 RH

EXPOSED

#10 RH WIRE

MOTOR CONTROL CENTER

LAMSON TUBE COMP.

PANEL B-D
F.A. CONTROL PANEL
ELECTRONIC CONTROL
MASTER CLOCK

TO PANEL B-D

ALL WIRING IN THIS AREA SHALL RUN EXPOSED

DRAFT CONTROL PAN

OIL BURNER CONT. PAN

OIL PREHEATERS

72" X 24" W X 18" D PULL BOX

1½" - 4 #6 RH
3/4" - 2 #10 RH

△1 3/4" - 3 #6 RH UP TO DUMB WAITER PENT HOUSE AND TERMINATE WITH A 50A FRAME 20A TRIP BREAKER

3½" - 4 - 350MCM RH
2½" - 4 #4/0 RH
3/4" - 2 #10 RH

1½" C.O. TERMINATE WITH BUSHING

1½" UP TO ALL TEL. CABS.

30" H X 24" W X 5" D TEL. CAB.

MAIN TELEPHONE CROSS-BOX TO BE REMOVED. TERMINATE 3" C.O. WITH BUSHING

LIGHTING PANEL "B-C"

LOCATE ON END OF BOOKSTACK

EXPOSED

SWITCHBOARD

CONCEALED IN FLOOR ABOVE & THEN ON TO OUTLETS

NOTE: 2-1" C.O. & 2-4" SQ. BOXES SHALL BE INSTALLED 12" OFF FLOOR DIRECTLY BELOW TELEPHONE CABINETS WITH BUSHED PLATES (ON ALL FLOORS)

TRANSFORMER VAULT

LOW VENT

HIGH VENT

TO P.S.E.&G. SUPPLY

4-4" CONDUITS. ALL CONDUITS AND WIRE BY P.S.E.&G. CO.

NOTE: RUN ALL WIRING EXPOSED ON THE FLOOR EXCEPT MAIN FEEDERS & RUNS OTHERWISE NOTED

FEEDER TROUGH 18" W. 6" DEEP

3½" - 4 - 400MCM RH
3½" - 4 - 300MCM RH
1¼" - 8 - #10 RH
1¼" - 4 - #10 RH
1¼" - 3 #2 RH
ELEVATOR FEEDER

LIGHTING PANEL "B-A"

EXPOSED

2" - 4 #1/0 RH

LOCATE ON END OF STACK

3/4" - 3 #10 RH

3½" - 4 - 400MCM RH

2½" - 3 - 250MCM RH

18" X 6" TROUGH. INSTALL AS NEAR CEILING AS POSSIBLE

3½" - 4 - 400MCM RH
1½" - 2 #8 RH

3" - 4 - 300MCM RH

LOCATE ON END OF BOOKSTACK

LOCATE ON END OF BOOK STACK

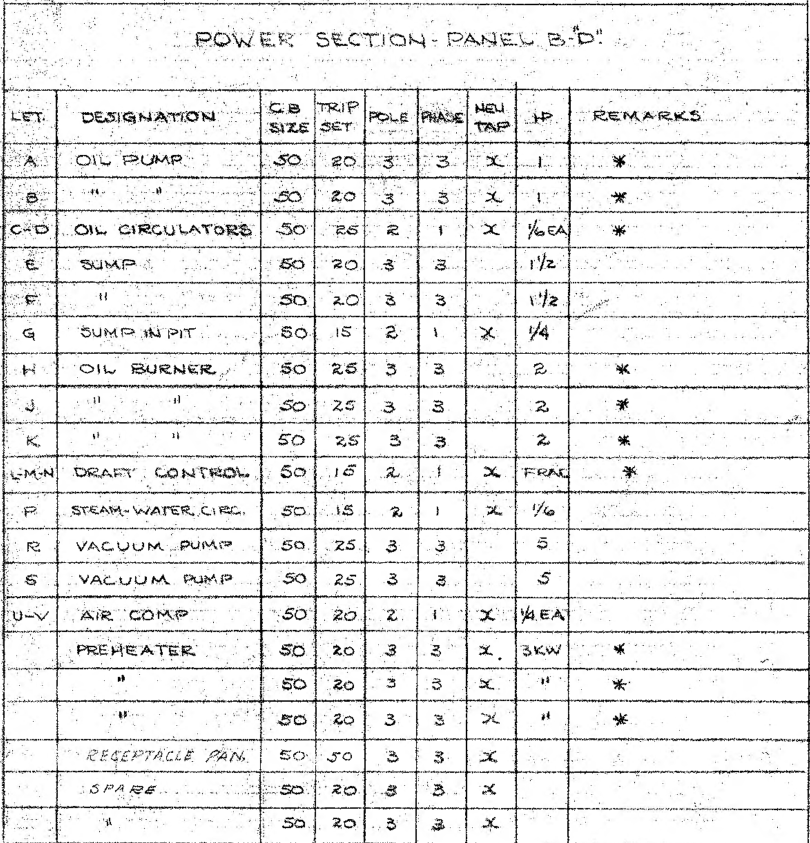
LIGHTING PANEL "B-B"

FEEDER TROUGH 18" W. 6" DEEP

1½" 1-500MCM BARE GROUND - CONNECT TO STREET SIDE OF WATER METER

EXISTING SEWER

PROPERTY LINE



POWER SECTION - PANEL B-"D"

LET.	DESIGNATION	C.B. SIZE	TRIP SET	POLE	PHASE	NEU. TAP	HP.	REMARKS
A	OIL PUMP	50	20	3	3	X	1	*
B	" "	50	20	3	3	X	1	*
C-D	OIL CIRCULATORS	50	25	2	1	X	1/6 EA	*
E	SUMP	50	20	3	3		1½	
F	"	50	20	3	3		1½	
G	SUMP IN PIT	50	15	2	1	X	¼	
H	OIL BURNER	50	25	3	3		2	*
J	" "	50	25	3	3		2	*
K	" "	50	25	3	3		2	*
L-M-N	DRAFT CONTROL	50	15	2	1	X	FRAC	*
P	STEAM-WATER CIRC.	50	15	2	1	X	1/6	
R	VACUUM PUMP	50	25	3	3		5	
S	VACUUM PUMP	50	25	3	3		5	
U-V	AIR COMP	50	20	2	1	X	¼ EA	
	PREHEATER	50	20	3	3	X	3KW	*
	"	50	20	3	3	X	"	*
	"	50	20	3	3	X	"	*
	RECEPTACLE PAN.	50	50	3	3	X		
	SPARE	50	20	3	3	X		
	"	50	20	3	3	X		

△1 TRIP RATING CHANGED

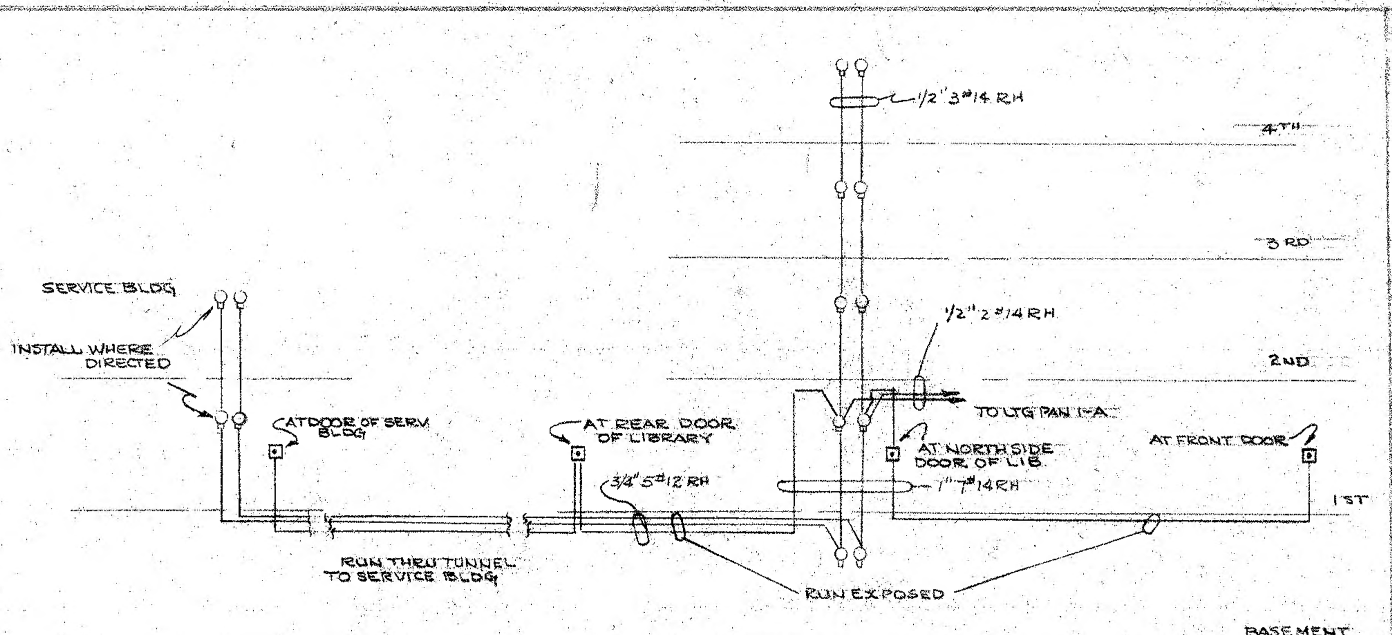
* ASCO BULLETIN 911-3P-75A SWITCH AHEAD OF THESE BRANCHES
FOR LIGHTING BRANCHES SEE DRAWING E-11

△1 TRANSFORMER VAULT RELOCATED
MAIN FEEDER CHANGED
MAIN SWITCHBOARD RELOCATED
FEEDER TROUGH LAYOUT CHANGED
RELOCATION OF EQUIPMENT IN OLD SWITCHBOARD ROOM
RELOCATED TELEPHONE CABINET IN SPACE #11
ADDED HEAVY DUTY RECEPTACLES IN SPACE #14 & 17
ADDED PANEL & FEEDER IN SPACE #14
ADDED FEEDER FOR DUMBWAITER
ALTERED SIZE & RELOCATED PULLBOX
REROUTED CONDUITS

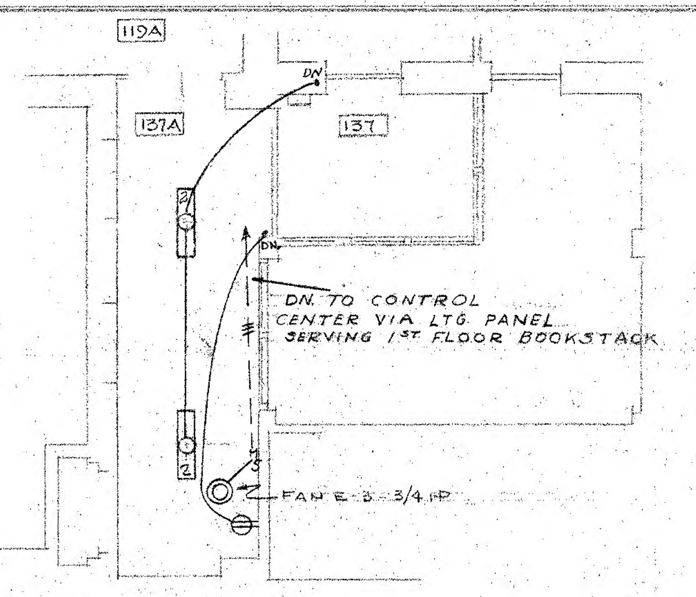
ELECTRICAL
BASEMENT FLOOR POWER
REVISIONS: △1 10/17/50
ALTERATIONS TO MAIN BLDG.
FOR
THE FREE PUBLIC LIBRARY
WASHINGTON ST. NEWARK N.J.
DRAWN BY: EEB | SCALE 1/8" = 1'-0" | DATE APR. 1 '50

679
E-2

EPPLE & SEAMAN
ARCHITECTS & ENGINEERS
901 BROAD STREET, NEWARK 2, N.J.



DOOR BELL RISER DIAGRAM



TYPICAL LIGHTING LAYOUT OF THE FIRST FOUR BOOKSTACK LEVELS

ALL CONDUIT IN THIS AREA SHALL RUN EXSPOSED

REMOVE ALL EXISTING WIRING

ALL 200W FIXT.

ALL CONDUIT IN THIS AREA SHALL RUN EXPOSED

DN. TO CONTROL CENTER IN MAIN SW BOARD ROOM

FLUOR. FIXT IN THIS AREA SHALL CONTAIN 4 TUBES

FLUOR. FIXT IN THIS AREA SHALL CONTAIN 8 TUBES

FLUOR. FIXT IN THIS AREA SHALL CONTAIN 3 TUBES

FLUOR. THIS AREA CONTAIN FIXT IN SHALL 3 TUBES

UP THRU FURRED SPACE TO BELL LOCATION

MAKE 4 DRIVE ADAPTER FOR TIME CLOCK

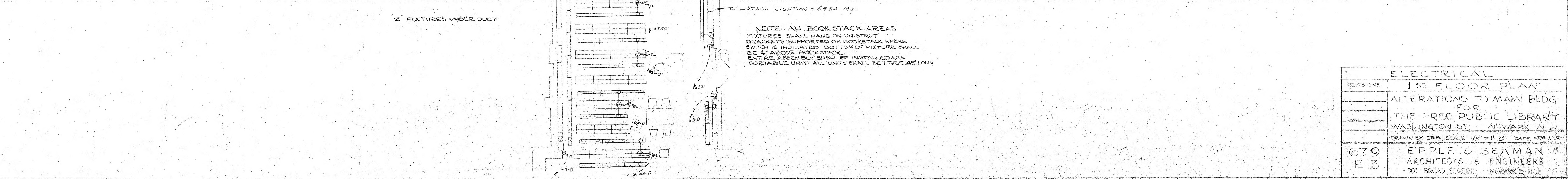
LAMSON TUBE STA.

COVE REFLECTOR SEE DETAIL

REFLECTOR OVER MIRROR

'Z' FIXTURES UNDER DUCT

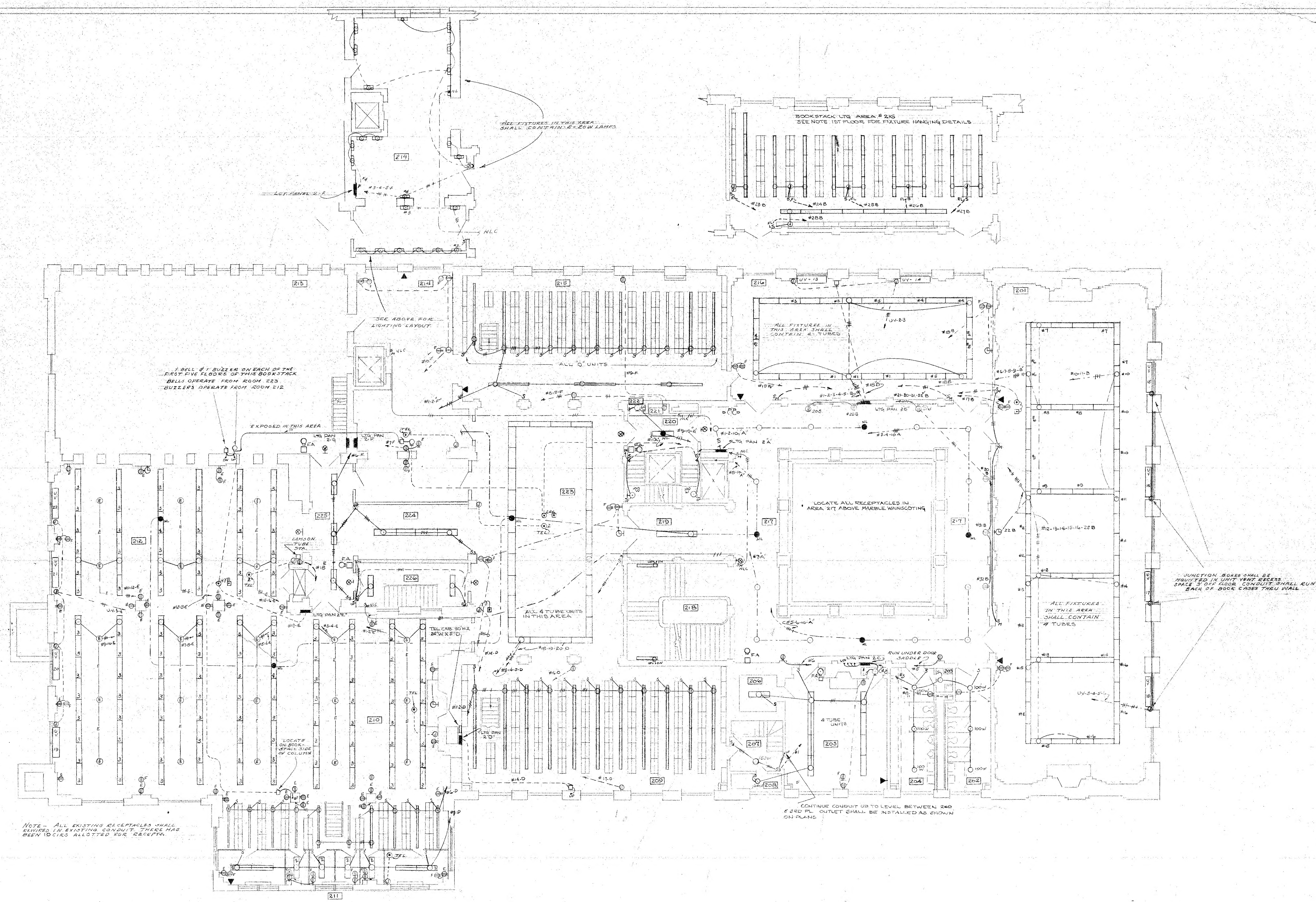
DROP DOWN TO BASEMENT CEILING THEN RUN EXPOSED ACROSS CEILING THEN UP TO LTG PANEL 1A CIRC #20 & 21



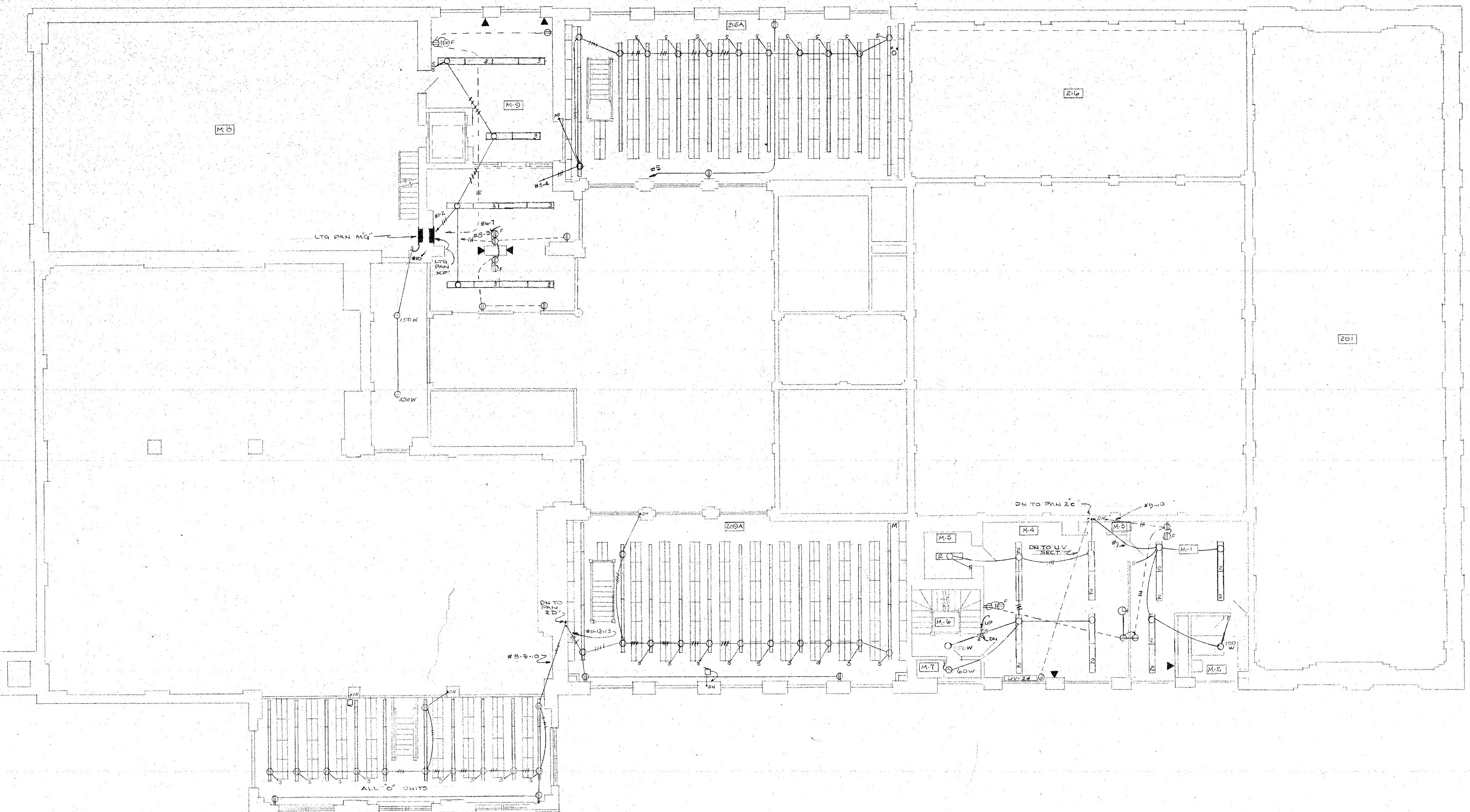
COVE REFLECTOR DETAIL
NO SCALE

NOTE:- ALL BOOKSTACK AREAS
FIXTURES SHALL HANG ON UNISTRUT BRACKETS SUPPORTED ON BOOKSTACK WHERE SWITCH IS INDICATED. BOTTOM OF FIXTURE SHALL BE 4" ABOVE BOOKSTACK.
ENTIRE ASSEMBLY SHALL BE INSTALLED AS A PORTABLE UNIT. ALL UNITS SHALL BE 1 TUBE 48" LONG

	ELECTRICAL
REVISIONS	1ST FLOOR PLAN
	ALTERATIONS TO MAIN BLDG FOR THE FREE PUBLIC LIBRARY WASHINGTON ST NEWARK N.J.
	DRAWN BY: ERB · SCALE 1/8" = 1'-0" · DATE APR 1 '50
679 E-3	EPPLE & SEAMAN ARCHITECTS & ENGINEERS 901 BROAD STREET, NEWARK 2, N.J.



	ELECTRICAL
REVISIONS	2ND FLOOR PLAN
	ALTERATIONS TO MAIN BLDG FOR THE FREE PUBLIC LIBRARY WASHINGTON ST. NEWARK N.J.
	DRAWN BY ERB SCALE 1/8" = 1'-0" DATE APR 1 '50
679 E-4	EPPLE & SEAMAN ARCHITECTS & ENGINEERS 901 BROAD STREET, NEWARK 2, N.J.



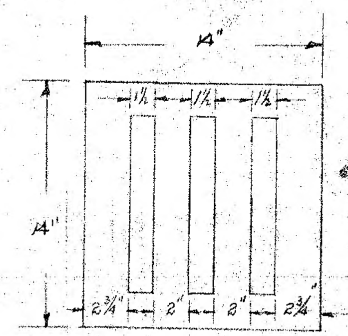
ELECTRICAL

REVISIONS	MEZZANINE BET. 2ND & 3RD FLOOR
	ALTERATIONS TO MAIN BLDG FOR THE FREE PUBLIC LIBRARY
	WASHINGTON ST. NEWARK N.J.
	DRAWN BY ERB | SCALE 1/8" = 1'-0" | DATE APR. 1, '50
679 E-5	EPPLE & SEAMAN ARCHITECTS & ENGINEERS 901 BROAD STREET, NEWARK 2, N.J.

FIXTURES SHALL BE HUNG ON OPEN STEEL TRUSS WORK. RUN ALL CEILING CONDUIT EXPOSED IN THIS AREA.

SEE RECEPTACLE NOTE ON 2ND FLOOR PLAN

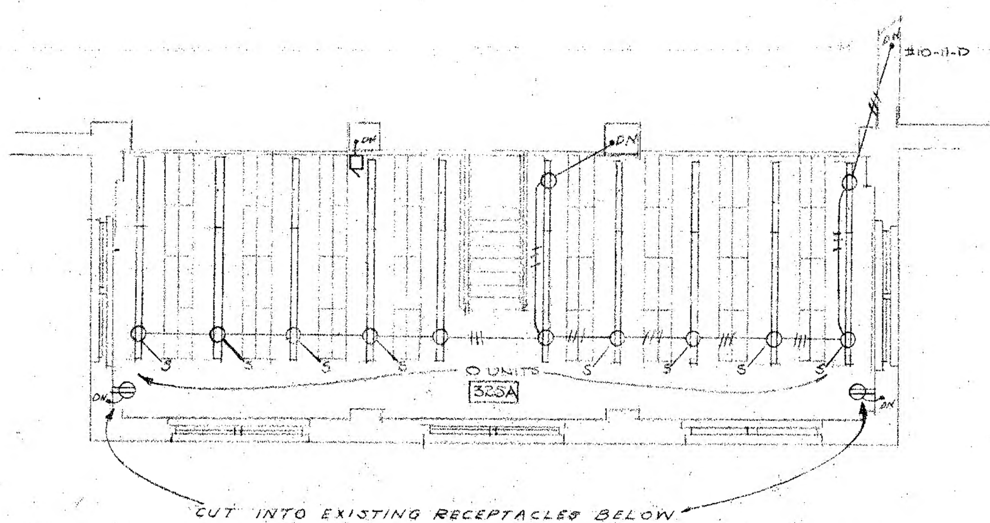
2" C.O. MAIN TELEPHONE CAB. 60"H x 48"W x 5" DEEP



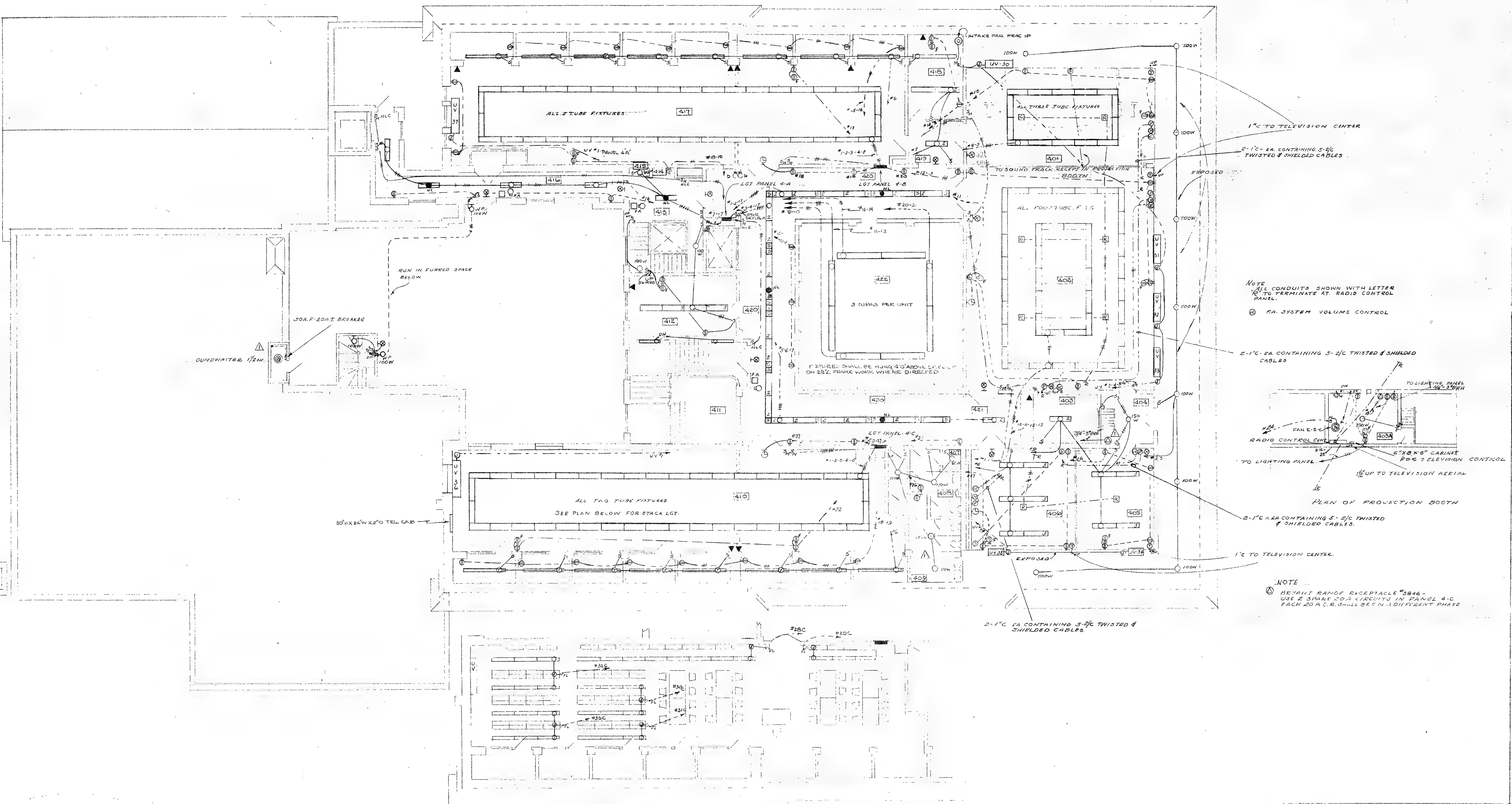
DETAIL OF E.C.S. JUNCTION BOX FOR EXECUTONE SYSTEM. ALL MASTER LINES TERMINATE AT TERMINAL BLOCK & RUN TO STATION FROM TERMINAL BLOCK

SCALE 1/8" = 1"

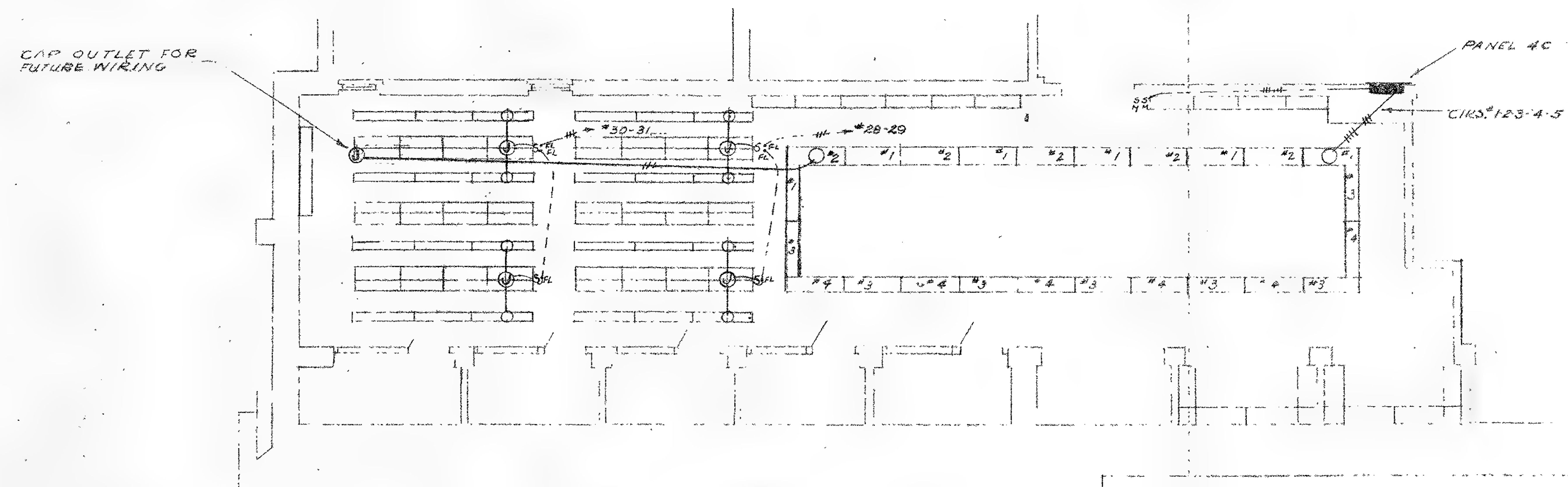
—— /// —— AS INDICATED ON EXECUTONE SYSTEM CONDUITS SHALL MEAN 3-2/C CABLES



	ELECTRICAL
REVISIONS	3RD. FLOOR PLAN
	ALTERATIONS TO MAIN BLDG FOR THE FREE PUBLIC LIBRARY WASHINGTON ST NEWARK N.J.
	DRAWN BY: ERB — SCALE 1/8" = 1'-0" — DATE APR 1, '50
679 E-6	EPPLE & SEAMAN ARCHITECTS & ENGINEERS 901 BROAD STREET, NEWARK 2, N.J.



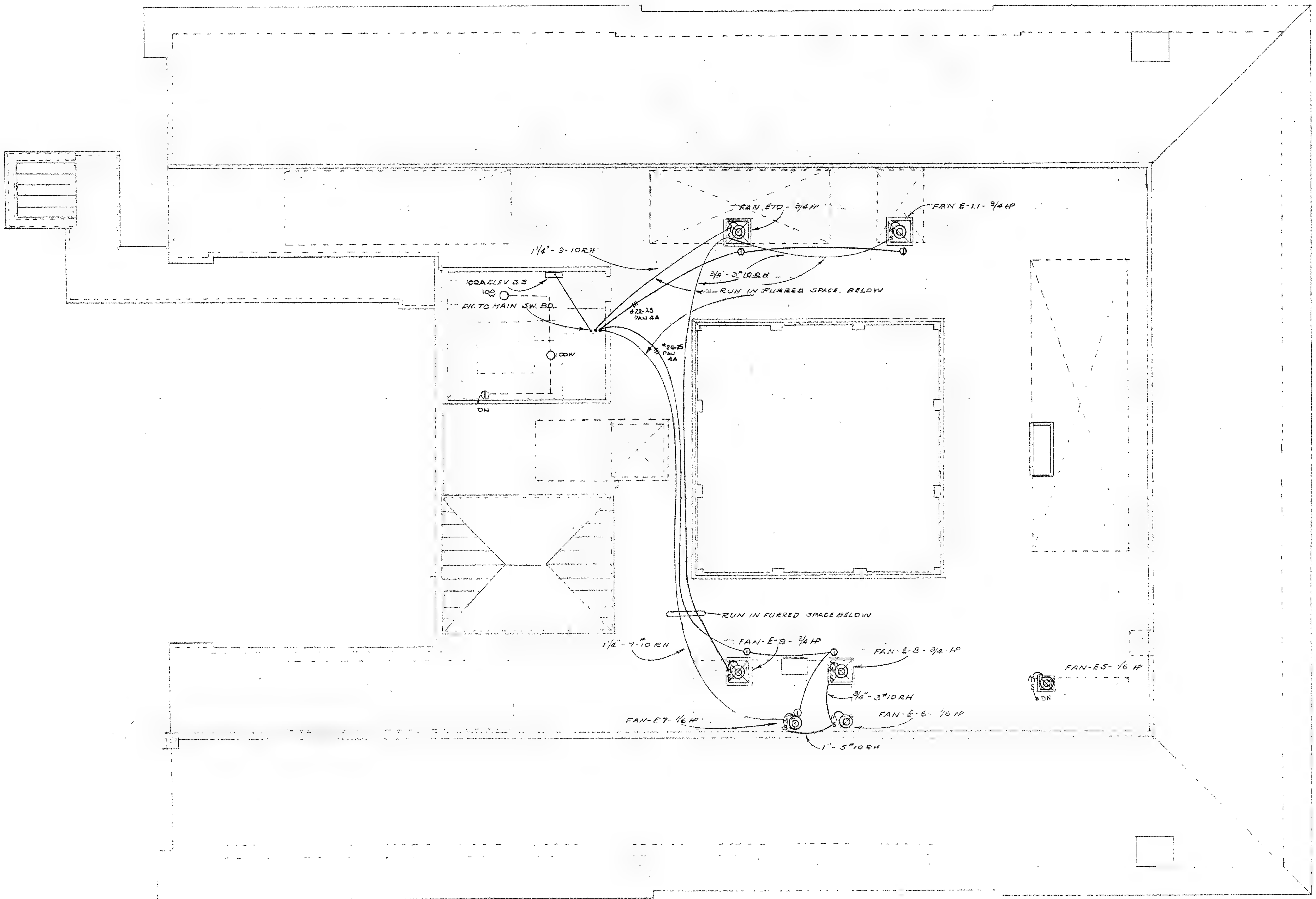
1"C TO TELEVISION CENTER
2-1"C- EA. CONTAINING 5-2/C TWISTED & SHIELDED CABLES
EXPOSED
TO SOUND TRACK RECEPT. IN PROJECTION BOOTH
ALL THREE TUBE FIXTURES
ALL 2 TUBE FIXTURES
ALL FOUR TUBE F 1.5
3 TUBES PER UNIT
FIXTURES SHALL BE HUNG 4'0" ABOVE LEVEL ON 2 1/2" FRAME WORK WHERE DIRECTED
LGT PANEL 4-A
LGT PANEL 4-B
LGT PANEL 4-C
ALL TWO TUBE FIXTURES
SEE PLAN BELOW FOR STACK LGT.
RUN IN FURRED SPACE BELOW
30A.F. 20A.T. BREAKER
DUMBWAITER 1/2 H.
INTAKE FAN FRAC HP
Note
ALL CONDUITS SHOWN WITH LETTER "R" TO TERMINATE AT RADIO CONTROL PANEL.
P.A. SYSTEM VOLUME CONTROL
2-1"C- EA. CONTAINING 5-2/C TWISTED & SHIELDED CABLES
TO LIGHTING PANEL 3/4"-3#8 RH
FAN E-5
RADIO CONTROL CENT.
TO LIGHTING PANEL.
6"X8"X6" CABINET FOR TELEVISION CONTROL
1 1/2" UP TO TELEVISION AERIAL
PLAN OF PROJECTION BOOTH
2-1"C EA CONTAINING 5-2/C TWISTED & SHIELDED CABLES.
1"C TO TELEVISION CENTER.
NOTE
BRYANT RANGE RECEPTACLE #3846-
USE 2 SPARE 20A CIRCUITS IN PANEL 4-C
EACH 20 A C.R. SHALL BE ON A DIFFERENT PHASE
2-1"C EA CONTAINING 5-2/C TWISTED & SHIELDED CABLES
BOOK STACK LTG. AREA 410
SEE NOTE 1ST FLOOR FOR FIXTURE HANGING DETAILS
HEAVY DUTY RECEPTACLE FOR 4 BURNER STOVE ADDED - SEE NOTE ABOVE
CHANGED POSITION OF LIGHT OUTLETS IN ROOM 408
ADDED DUMBWAITER FEED & BREAKER
ELECTRICAL
REVISIONS
4th FLOOR PLAN
10/17/50
ALTERATIONS TO MAIN BLDG
FOR
THE FREE PUBLIC LIBRARY
WASHINGTON ST. NEWARK N.J.
DRAWN BY: ERB
SCALE 1/8" = 1'-0"
DATE APR 1 '50
679
E-7
EPPLE & SEAMAN
ARCHITECTS & ENGINEERS
901 BROAD STREET. NEWARK 2 N.J.



REVISED LIGHTING LAYOUT - RM 410

NOTES -
THIS DRAWING SUPERSEDES THE LIGHTING LAYOUT AS SHOWN ON DRAWING E-7. OF ROOM 410
THIS DRAWING INDICATES CHANGES ONLY. ALL OTHER WIRING UNLESS INDICATED HEREON REMAINS AS ORIGINALLY SHOWN ON PLAN E-7

	ELECTRICAL
REVISIONS	PART 4TH FLOOR PLAN - RM.410
	ALTERATIONS TO MAIN BUILDING
	FOR
	THE FREE PUBLIC LIBRARY WASHINGTON ST. NEWARK N.J.
	DRAWN BY / SCALE 1/8" = 1'-0" / DATE 11/24/50
679 E-7A	EPPLE & SEAMAN ARCHITECTS & ENGINEERS 901 BROAD ST. NEWARK 2, N.J.

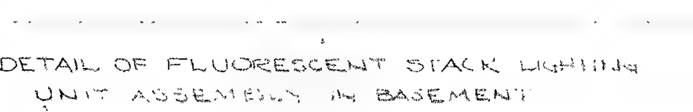


NOTE:-
DUPLEX RECEPTACLES SHALL BE INSTALLED ON FAN HOUSING AS INDICATED.

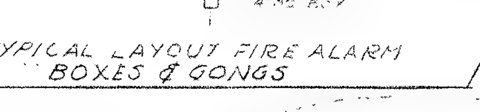
ELECTRICAL	
REVISIONS	ROOF PLAN
	ALTERATIONS TO MAIN BLD'G FOR THE FREE PUBLIC LIBRARY WASHINGTON ST NEWARK N.J.
	DRAWN BY. ERB · SCALE 1/8" = 1'0" · DATE APR. 1, '50
679 E-8	EPPLE & SEAMAN ARCHITECTS & ENGINEERS 901 BROAD STREET NEWARK 2 N.J.

Executone Communication System								
	Call & Return Call To							
Location of Master Stations	Room 303	Room 307	Room 309	Room 314	Room 321	Master Station Room 302	Master Station Room 310	Master Station Room 315
In Room 302	X	X					X	X
In Room 310		X	X		X	X		X
In Room 315		X		X	X	X	X	

Audible Signal System																					
	Buzzer Locations																		Push-Button Pads		
Push Button Location	Basement Stack Directly Adjoining Off 11	Basement to Sound Thru-Out	Office 108	Office 109	Book Stack 1st Level	Book Stack 2nd Level	Book Stack 3rd Level	Book Stack 4th Level	Book Stack 5th Level	Office & Work-Space 214	Stack-211 Lower Level	Stack 211 Upper Level	Tech. Stack 209 Lower Level	Tech. Stack 209 Upper Level	Fiction Stack 216	Stack 325 Lower Level	Stack 325 Upper Level			Active Buttons	Spares	Total Number of Buttons
School Libraries - Office 11	B																			1	1	2
On Column Outside Rm. 8		X X X X																		1	1	2
Education Dept. on Desk Off. 107			X	X																2	2	4
Lending & Reference Dept. Off 212					X	X	X	X	X	X	X	X								8	2	10
Lending & Reference Dept Off 223					B	B	B	B	B	B										6	2	8
Technology Desk - Off. 223													X	X						2	2	4
Browsing Room - 201															X					1	1	2
On Desk - Room 326																X	X			2	2	4
Total No. of Buzzers		4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Total No. of Bells	1				1	1	1	1	1	1												

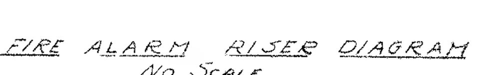


Detail of Fluorescent Stack Lighting Unit Assembly in Basement
Scale 1/2"=1'



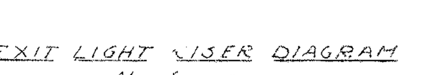
Typical Layout Fire Alarm Boxes & Gongs

A fire alarm box & bell shall be installed on each of the five bookstack levels.



Fire Alarm Riser Diagram
No Scale

Note - This riser as well as the riser made by the A.D.T. Company will determine the method of final installation.
Use 1"C thru-out.



Exit Light Riser Diagram
No Scale

	Electrical
Revisions	Risers & Details
	Alterations to Main Bldg for The Free Public Library, Washington St., Newark, N.J.
	Drawn by: ERB; Scale: As shown; Date: Apr. 1, 50
679 E-9	Epple & Seaman, Architects & Engineers, 901 Broad Street, Newark 2, N.J.

ELECTRIC LEGEND

Symbol	Description
	CEILING OUTLET
	EXISTING OUTLET (CEILING BRACKET &/OR RECEPTACLE)
	4'0" FLUORESCENT UNIT (NUMBER INDICATES TUBES)
	8'0" " " " "
M	42" SINGLE TUBE UNIT
N	60" " " "
O	72" " " "
	96" " " "
	BRACKET OUTLET
	NIGHT LIGHT
	EXIT LIGHT
	RECEPTACLE
J	JUNCTION BOX
S	SPOT LIGHT FIXTURE
	FLUSH INCAND. OUTLET
	N.J. BELL TELEPHONE CONDUIT CONNECTED ONLY WHERE INDICATD
C	CAPPED OUTLET
	FLOOR BOX
	PUSH BUTTON
	EXECUTONE MASTER STATION
	" SUB MASTER STATION
	" STATION
R	RADIO SPEAKER OUTLET
P	PHONOGRAPH PICKUP OUTLET
M	MICROPHONE " "
S	SOUND TRACK RECEPTACLE
T	TELEVISION JUNCTION BOX
	30 AMP RECEPTACLE
R	RADIO CONTROL PANEL
S	SWITCH
S^3	3 WAY SWITCH
S^4	4 WAY SWITCH
SM	MOMENTARY CONTACT SWITCH
MS	MOTOR STARTER
	LIGHTING PANEL
	TELEPHONE CABINET
	COMBINATION LTG & POWER PANEL
	MOTOR - NUMBER INDICATES HP
	CONCEALED CONDUIT IN FURRED SPACE
	CONCEALED CONDUIT IN FLOOR ABOVE & DOWN TO OUTLET
	CONCEALED CONDUIT IN FLOOR
	EXPOSED COND. ACROSS CEILING BELOW
	CONCEALED COND OR OVALDUCT IN WALLS OR PLASTER (EXPOSED WHERE INDICATD)
FA	FIRE ALARM BOX
FA	FIRE ALARM BELL
T	THERMOSTAT
N.L.C.	NIGHT LIGHT CIRCUIT
E	EXISTING CONDUIT
W.P.	WEATHER PROOF
	BUZZER
	BELL
	FLUOR. LTG UNIT & WIREWAY ASSEMBLY (BASEMNT ONLY)
E	OIL BURNER EMERGENCY CUTOFF
	CLOCK OUTLET
D	DOOR BELL
F	FAN RECEPTACLE

LIGHTING PANEL SCHEDULE

15 AMP AC	15 AMP SP	20 AMP AC	20 AMP SP	TOTAL BRANCHES	TYPE OF PANEL	GUTTER SPACING	ADDITIONAL CIRCUITS	REMARKS
3	2	40	3	48	FLUSH	6"		1 ASCO BUL 920 TYPE RC 30A SW. BUSSED IN CIRC #19.
0	2	11	5	18	"	6"		1 ASCO BUL. 920 TYPE RC 30A 2P SW BUSSED IN CIR #10.
1	3	10	4	18	"	6"		1 ASCO BUL. 920 TYPE RC 30A 2P SW BUSSED IN CIR #10.
7	3	20	3	32	"	6"	PLUS 2-15A SP. BREAK'RS BUSSED TO SEPARATE U.V. FEEDER BUS.	1 ASCO BUL 920 TYPE RC 30A 2P SW BUSSED IN CIR #17 1 " " " " 60" 3P " " IN CIR. 9 THRU 13, 20 & 21
8	3	12	3	26	"	6"		
9	3	23	3	38	"	6"	PLUS 6-15A SP. BREAK'RS BUSSED TO SEPARATE U.V FEEDER BUS.	1 ASCO BUL. 920 TYPE RC 30A-3P SW BUSSED IN CIR 1 THRU 5 1 " " " " 60" " " " " 6 " 16
8	2	10	2	22	"	6"		
11	3	10	4	28	"	6"		1 ASCO BUL 920 TYPE RC 30A 3P SW BUSSED IN CIR. 1-3-5 1 " " " " " 2P " " " 2-4 1 " " " " " 2P " " " 8-9
7	2	7	4	20	"	6"		
6	2	5	3	16	"	6"	PLUS 8-15A-SP. BREAKRS BUSSED TO SEPARATE U V FEEDER BUS.	
10	2	8	4	24	"	6"		
19	3	14	4	40	"	6"	PLACE 1-3P 50A MAIN BRKR AHEAD OF 8-15A SP UV CIR. PLUS 1-3P-50A FR. BOARD FOR MOTION PICT. ETC.	1 ASCO BUL 920 TYPE RC 30A 3P SW BUSSED IN CIRC 1-3-5 1 " " " " " " " " " 2-4 1 " " " " " " " " " 10 THRU 13
6	4	20	4	34	"	6"	PLUS 2-15A S.P BREAK'RS BUSSED TO SEPARATE U.V FEEDER BUS	
5	3	15	4	28	"	6"		1 ASCO BUL 920 TYPE RC 30A 3P SW BUSSED IN CIRCUITS 3-4-5-18-19-20
5	3	11	3	22	"	6"		
4	2	12	2	20	"	6"		
10	4	18	4	36	"	6"	PLUS 6-15A SP BREAK'RS BUSSED TO SEPARATE U.V FEEDER BUS.	
6	2	17	5	30	"	6"		
8	3	10	3	24	"	6"	PLUS 4-15A S.P BREAK'RS BUSSED TO SEPARATE U.V FEEDER BUS	
4	2	6	4	16	"	6"		
4	2	5	5	16	"	6"		
3	3	7	3	16	"	6"		
0	2	9	3	14	"	6"		
0	2	9	3	14	"	6"		
0	2	9	3	14	"	6"		
0	2	10	2	14	"	6"		
4	2	7	3	16	"			
4	1	25	2	32	"			1 ASCO BUL 920 TYPE RC 30A-3P SW BUSSED IN CIRC 19-20-21.
5	2	23	2	32	SURFACE			
2	3	9	4	18	"		PLUS 2 15A SP BREAK'RS BUSSED TO SEPARATE U.V. FEEDER BUS.	
3	2	7	2	14	"			IN SAME LAB WITH POWER PAN BRS SEE POWER PAN. SCHEDULE, DWG E-2

MAIN SWITCHBOARD SCHEDULE

ALL 100 A BREAKERS SHALL HAVE 600V RATING

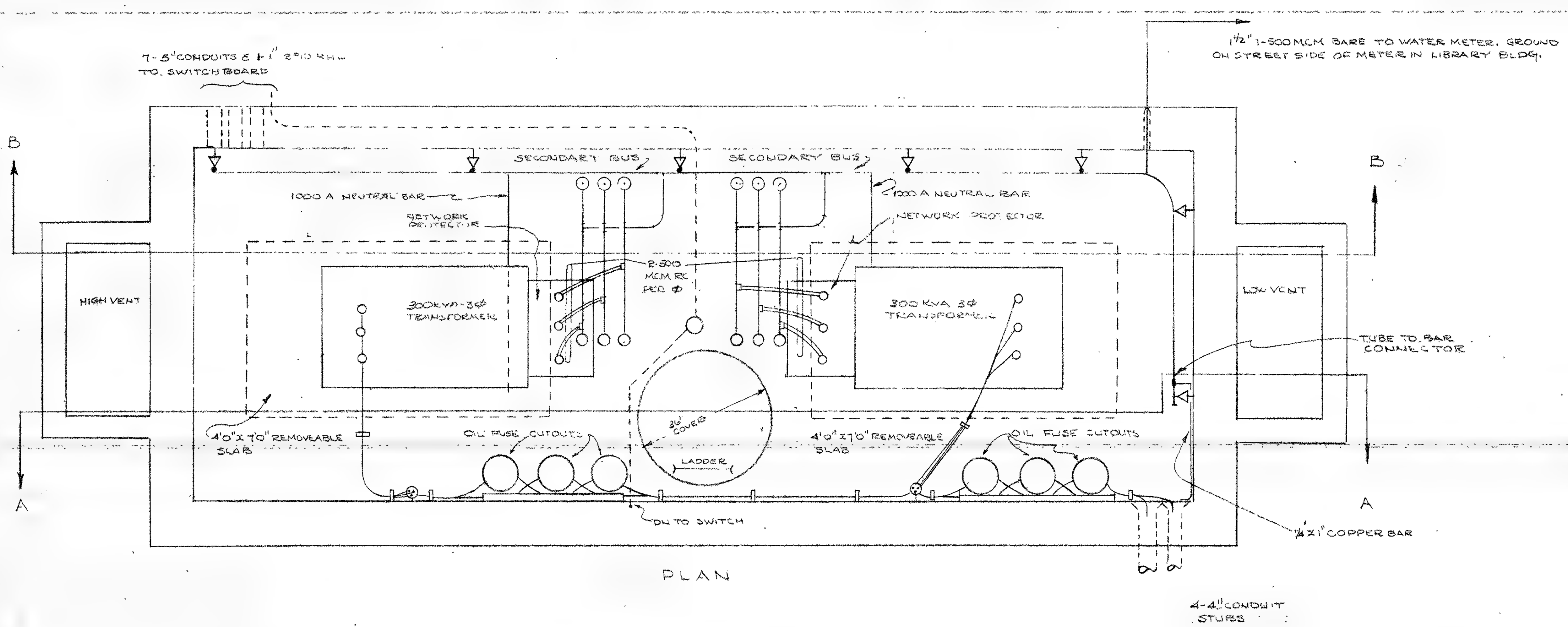
DESIGNATION	C.B. SIZE	TRIP SETTING	POLE	PHASE	2 TAP	REMARKS
MAIN BREAKER	1600	1600	3	3	X	I.T.E. TYPE KC
PANEL 1A	600	250	3	3	X	
PANEL 2A						
PANEL 3A	225	225	3	3	X	
PANEL 4A						
PANEL 1B	600	250	3	3	X	
PANEL 2B						
PANEL 3B	225	225	3	3	X	
PANEL 4B						
PANEL 1C	225	150	3	3	X	
PANEL 2C						
PANEL 3C	600	250	3	3	X	
PANEL 4C						
PANEL 1D	225	200	3	3	X	
PANEL 2D						
PANEL 3D	00	90	3	3	X	
PANEL 1E						
PANEL 2E	600	300	3	3	X	
PANEL 3E						
PANEL 1F	225	200	3	3	X	
PANEL 2F						
PANEL MF	225	150	3	3	X	
PANEL 3F						
PANEL 1G						
PANEL 1MG						
PANEL 2G	600	250	3	3	X	
PANEL MG						
PANEL 3G						
PANEL BA	225	125	3	3	X	
PANEL BB	225	125	3	3	X	
PANEL BC	100	100	3	3	X	
PANEL BD	225	225	3	3	X	
MOTOR CONTROL CENTER	225	125	3	3		
ELEV 'A' PASSENGER	225	200	3	3		
ELEV 'B' " - STACK	225	200	3	3		
ELEV 'C' PASS. & SERVICE	100	100	3	3		
SERVICE BUILDING	600	400	3	3	X	
UNIT VENT FEEDER	225	125	3	3	X	
F.A. SYSTEM (OPER CIRC)	100	15	2	2	X	
F.A. SYSTEM (SUPER CIRC)	100	15	2	2	X	
TRANSFORMER VAULT LTG	100	15	2	2	X	
HP DOOR OPENER	100	20	3	3	X	
EXIT LIGHTS	100	15	3	3	X	
DUMBWAITER	100	70	3	3	X	
"	225	150	3	3	X	
"	225	125	3	3	X	
"	100	80	3	3	X	
"	100	90	3	3	X	
"	100	70	3	3	X	
"	100	25	3	3	X	
"	100	3.	3	3	X	
"	600	600	3	3	X	

MOTOR CONTROL CENTER

DESIGNATION	A.C. COMBINATION MOTOR STARTERS WITH THERMAL SHORT CIRC. PROTECTION: NEMA SIZE	HP RATING	THERM TRIP SETTING	REMARKS	* AMMETER RATING
VENT FAN E-6	0	1/6	5	2 POLE 1Φ	0-5
VENT FAN E-7	0	1/6	5	2 POLE 1Φ	0-5
VENT FAN E-8	0	3/4	5	3 POLE 3Φ	0-10
VENT FAN E-9	0	3/4	5	3 POLE 3Φ	0-10
VENT FAN E-10	0	3/4	5	3 POLE 3Φ	0-10
VENT FAN E-11	0	3/4	5	3 POLE 3Φ	0-10
VENT FAN HV-1	0	2	10	3 POLE 3Φ	0-20
EXHAUST FAN E-1	0	1	5	3 POLE 3Φ	0-10
AIR COMP LAMSON TUBE	1	5	25	3 POLE 3Φ	0-40
BOILER RM EXH FAN	1	5	25	3 POLE 3Φ	0-40
VENT FAN E-3	0	3/4	5	3 POLE 3Φ	0-10
VENT FAN E-2	0	1/6	5	2 POLE 1Φ	0-5
VENT FAN E-4	0	1/2	5	3 POLE 3Φ	0-10

* INSTALL A 3" DIAMETER AMMETER (FLUSH) IN EACH COMPARTMENT. RATING AS INDICATED. CONTRACTOR SHALL PLACE A RED INK MARK ON EACH AMMETER DIAL CORRESPONDING WITH FULL LOAD NAME PLATE RATING OF EACH MOTOR

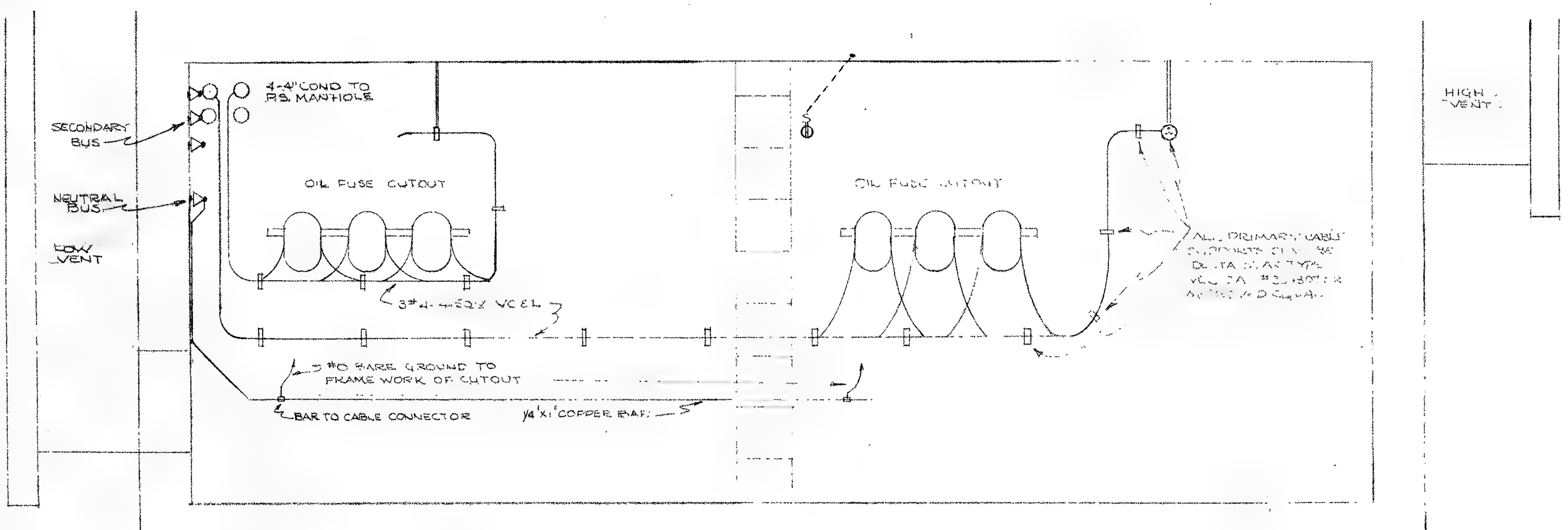
ELECTRICAL
REVISIONS | LEGEND & PANEL SCHEDULES
ALTERATIONS TO MAIN BLDG
FOR
THE FREE PUBLIC LIBRARY
WASHINGTON ST NEWARK N.J.
DRAWN BY ERB | SCALE NONE | DATE APR 1, 50
679
E-11
EPPLE & SEAMAN
ARCHITECTS & ENGINEERS
901 BROAD STREET - NEWARK 2 N.J.

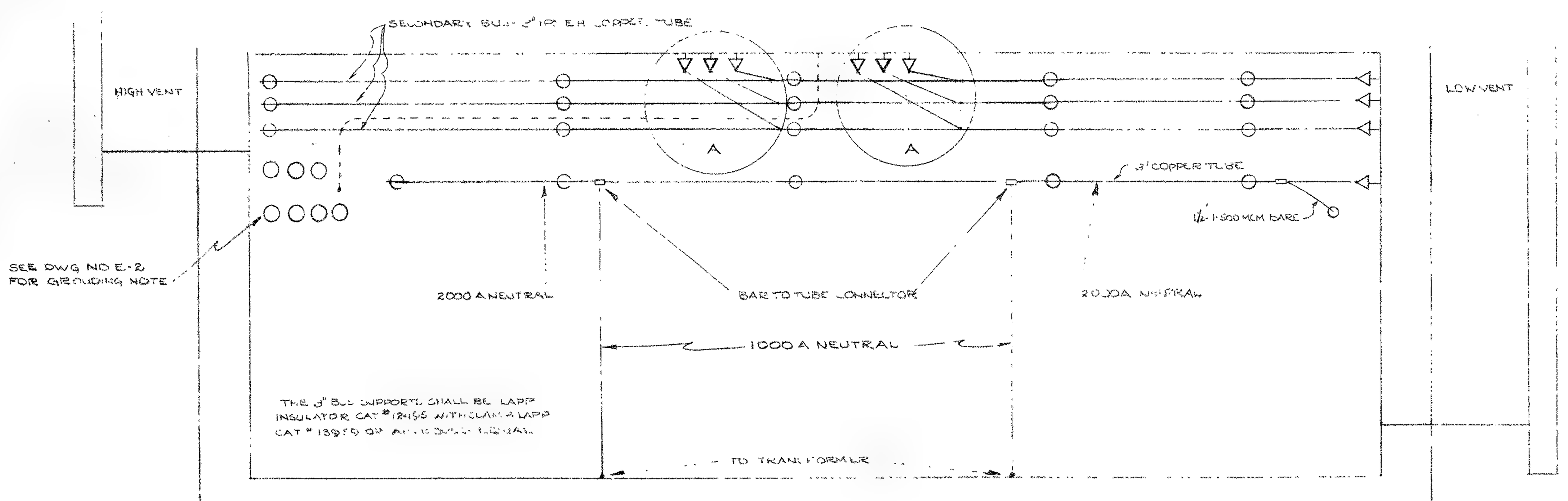


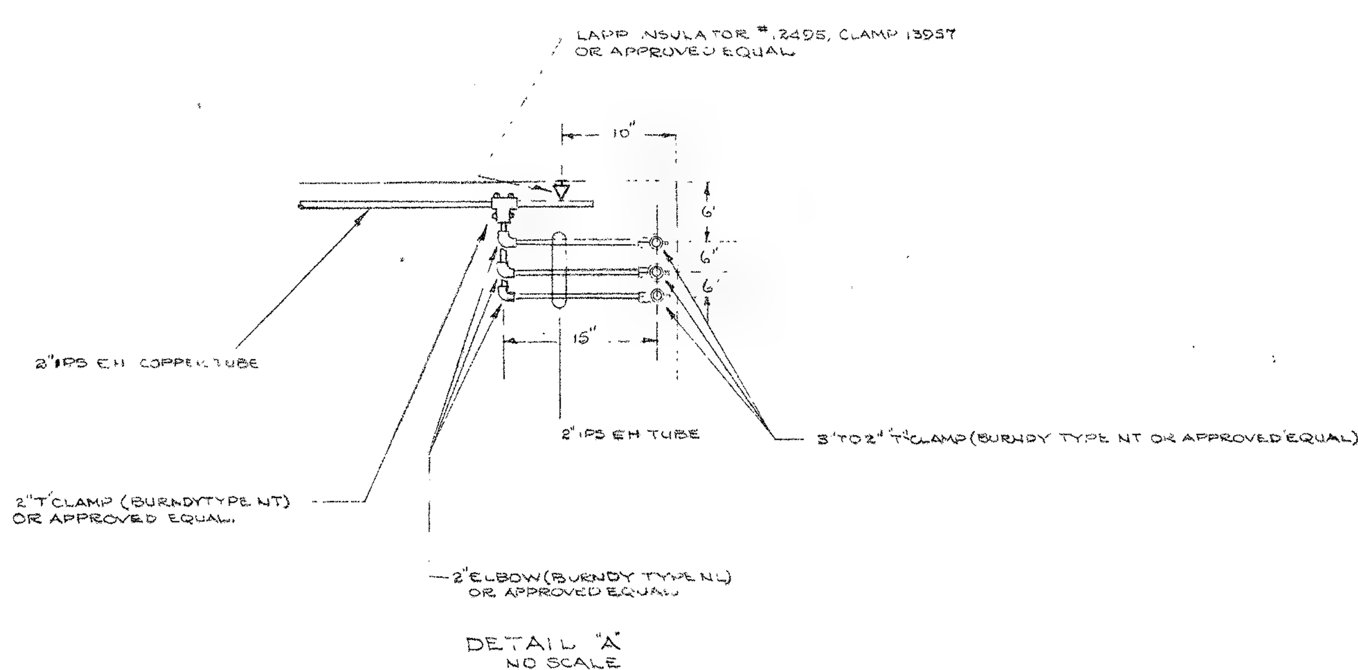
EQUIPMENT TO BE SUPPLIED BY PUBLIC SERVICE ELECT & GAS CO.
300 KVA TRANSFORMERS & D&W OIL FUSE CUTOUTS
TWO 1200 AMP NETWORK PROTECTORS WITH MECHANICAL CONNECTORS FOR 2-500 MCM 1/C R/B PER PHASE
PRIMARY CABLE OF SUFFICIENT LENGTH TO REACH OIL FUSE CUTOUTS INCLUDING CONDUIT RUNS FROM VAULT TO STREET
SECONDARY CABLE OF SUFFICIENT LENGTH TO REACH SECONDARY BUS.

WORK TO BE DONE BY PUBLIC SERVICE ELECT & GAS CO.
SET MAIN TRANSFORMERS IN PLACE
MOUNT NETWORK PROTECTORS ON MAIN TRANSFORMERS
PULL IN PRIMARY & SECONDARY CABLE FROM STREET LEAVING EXCESS CABLE IN VAULT


GENERAL NOTES
ALL OTHER EQUIPMENT & WIRING TO BE SUPPLIED & INSTALLED BY CUSTOMER
ALL CONNECTIONS TO MAIN BUS TO BE MADE WITH MECH. CONNECTORS APPROVED BY P.S.E.& G. CO.
INSULATE ALL COPPER BUS & COAT WITH WATERPROOF VARNISH APPROVED BY P.S.E.& G. CO.
CONTRACTOR TO SUBMIT CONSTRUCTION DRAWINGS TO P.S.E.& G. CO FOR APPROVAL.
BOND ALL CONDUITS ENTERING VAULT FROM BUILDING TO THE NEUTRAL BUS



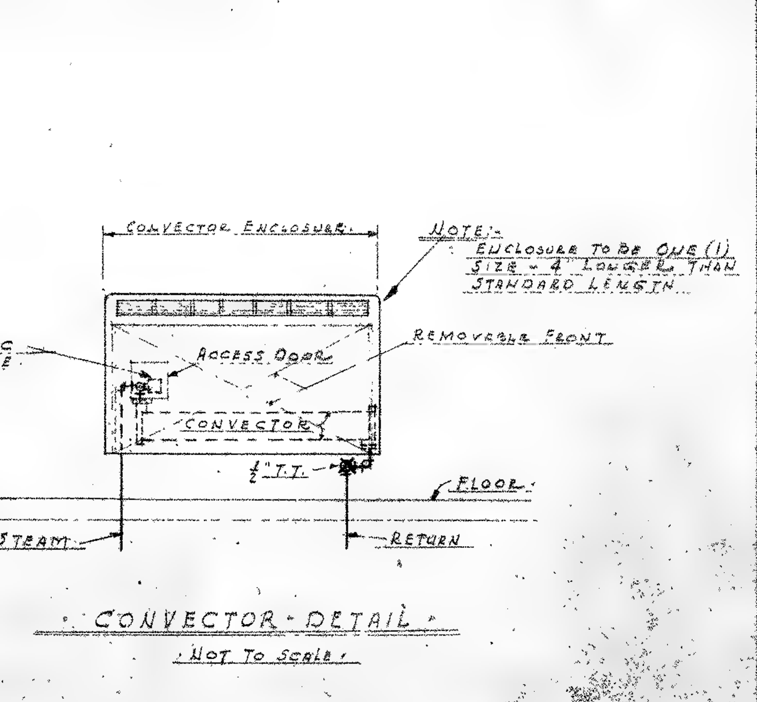




REVISIONS	ELECTRICAL
	TRANSFORMER VAULT
	ALTERATIONS TO MAIN BLDG FOR THE FREE PUBLIC LIBRARY WASHINGTON ST NEWARK N.J.
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679 E-12	EPPLE & SEAMAN ARCHITECTS & ENGINEERS 901 BROAD STREET, NEWARK 2 N.J.



BASEMENT PLAN
SCALE 1/8" - 1'-0"
ALL STEAM & RETURN PIPING CONCEALED IN BACK OF BOOK CASES
EXPOSED AT CEILING
PRESENT DUCT
COMBUSTION CHAMBER
OIL BURNERS
LOWER PLAN OF BOILER ROOM
UPPER PLAN OF BOILER ROOM
12" STEAM HEADER
SEE BASEMENT PLAN FOR CONTINUATION
SECTION 5-5
HV-1 IN ROOM-19
SCALE 1/4" - 1'-0"
SECTION 3-3
SECTION 4-4
H.V. UNITS IN ROOM #11
HV-2 & 3
SCALE 1/4" - 1'-0"
SECTION 2-2
SCALE 1/4" = 1'-0"
SECTION 1-1
SCALE 1/4" = 1'-0"
DETAILS OF BOILER SETTINGS
BOILER #1
BOILER #2
BOILER #3
SYMBOLS
STEAM PIPING
RETURN PIPING
PUMP DISCHARGE PIPING
STEAM & RETURN RISERS
RADIATOR CONNECTIONS
GATE & CHECK VALVES
INDICATES PITCH OF PIPING
DRIP TRAP
FLOAT & THERMOSTATIC TRAP F.T.
THERMOSTATIC TRAP T.T.
THERMOSTAT - PNEUMATIC
THERMOSTAT - ELECTRIC
TOP WALL REGISTER OR GRILLE T.R. - T.G.
BOTTOM WALL REGISTER OR GRILLE B.R. - B.G.
CEILING REGISTER OR GRILLE C.R. - C.G.
ECCENTRIC REDUCER E.R.
STEAM MAIN
STRAINER
UNIONS
RETURN
DIRT POCKET
GATE VALVE
DRIP TRAP
MAIN DRIP DETAIL
NOT TO SCALE
HEATING & VENTILATING
REVISIONS
BASEMENT FLOOR PLAN
ALTERATIONS TO MAIN BLDG.
FOR
THE FREE PUBLIC LIBRARY
WASHINGTON ST. NEWARK, N.J.
SCALE - AS NOTED
EPPLE & SEAMAN
ARCHITECTS & ENGINEERS
679
HV-1



· CONVECTOR · DETAIL ·

· NOT TO SCALE ·

MEZZANINE

BETWEEN 1ST & 2ND FLOORS.

SCALE ⅛" = 1'-0"

36" x 24" G.I. DUCT - UP FROM FAN E-1

24" x 24" G.I. DUCT - UP.

UPPER PART OF 137

UPPER PART OF 136

UPPER PART OF 133

18" x 6" G.I. DUCT.

AUTO DAMPER A.T.C.

ASBESTOS CLOTH CONNECTIONS.

FAN E-3 ¼ HP. MOTOR SET ON MEZZ. FLOOR

FOR CONTINUATION SEE FIRST FL. PLAN.

FROM FAN E-2 FOR CONTINUATION SEE FIRST FL. PLAN

· FIRST · FLOOR · PLAN ·

SCALE ⅛" = 1'-0"

· RADIATOR · CONNECTIONS ·				
STEAM		SQ FT	RETURN	
BRANCH	VALVE	RADN.	TRAP	BRANCH
1"	¾"	0 - 75	½" T.T.	¾"
1¼"	1"	76 - 125	½" T.T.	¾"
1½"	1¼"	125 - UP	½" T.T.	¾"

NOTES:-

1 - THE LOCATIONS OF ALL THERMOSTATS ARE SUBJECT TO CHANGE AND APPROVAL MUST BE OBTAINED AT THE JOB BEFORE INSTALLING THE SAME.

2 - ANCHOR ALL RISERS IN APPROXIMATE CENTER.

RELOCATE PRES. H.W. TANK.

NEW TEMP. REGULATOR

2" BOILER WATER FLOW

THERMOMETER

1½" STEAM.

PRES. HOT WATER STORAGE HEATER 42" ø x 84" LONG.

STRAINER

CONNECT TO AIR LOOP OVERHEAD.

¾" F.T. TRAP

PRES. TANK REGULATOR

2" CIRCULATOR

2" BOILER WATER RETURN.

¾" F.T. TRAP

CONNECT TO RETURN IN TRENCH.

DROP TO TRENCH

· CONNECTIONS TO HOT WATER STORAGE HEATER ·

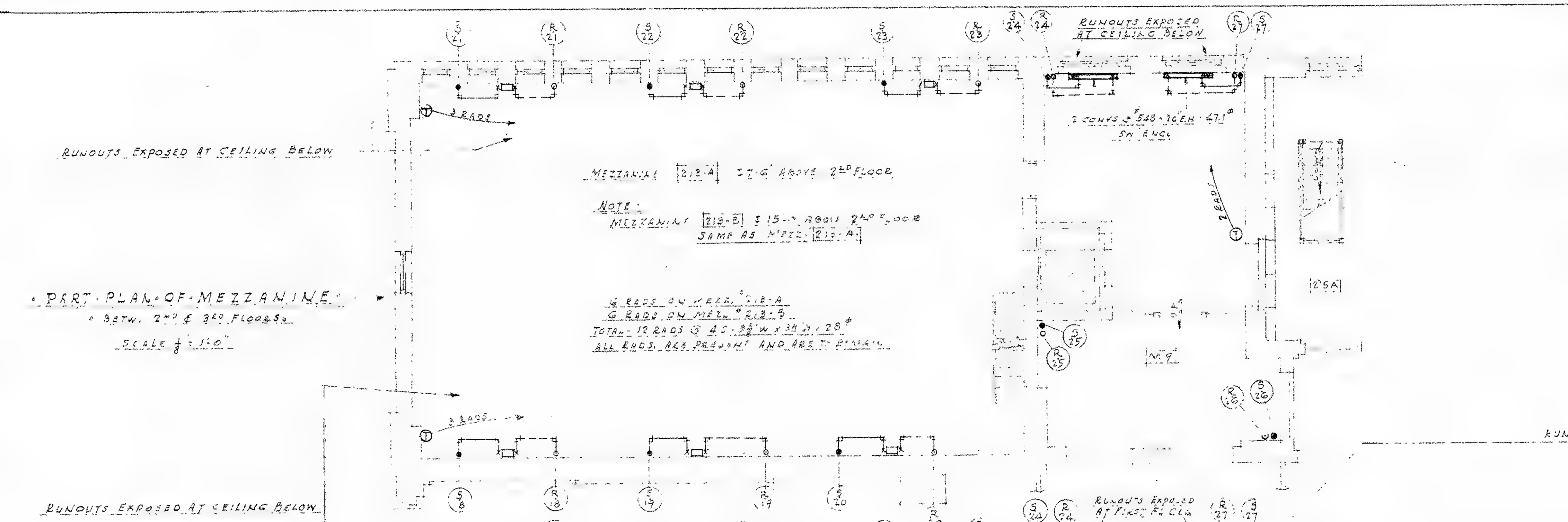
SCHEMATIC — NOT TO SCALE.


NOTE:-

CLOSE VALVES "A" WHEN VALVES "B" ARE OPEN

CLOSE VALVES "B" WHEN VALVES "A" ARE OPEN.

· HEATING · & · VENTILATING ·	
REVISIONS	· FIRST · FLOOR · PLAN ·
	· ALTERATIONS · TO · MAIN · BLDG · FOR
	· THE · FREE · PUBLIC · LIBRARY ·
	WASHINGTON ST. · NEWARK, N.J.
	DRAWN BY HW/FWB · SCALE: AS NOTED. · DATE
679 HV-2	· EPPLE · & · SEAMAN · · ARCHITECTS · & · ENGINEERS · · 901 · BROAD · STREET · NEWARK 2, N.J.





HEATING & VENTILATING

REVISIONS	SECOND FLOOR PLAN
	ALTERATIONS TO MAIN BLDG. FOR THE FREE PUBLIC LIBRARY
	WASHINGTON ST. NEWARK, N.J.
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679 HV-3	EPPLE & SEAMAN ARCHITECTS & ENGINEERS 90 BROAD STREET NEWARK, N.J.

ROOF FAN DETAIL

NOT TO SCALE

PLAN NO.	C.F.M.	S.P.	MOTOR H.P.	MOTOR R.P.M.	CURB DIMENSIONS "A x A"	CURB DIMENSIONS "B x B"
E-5	1600	1/4	1/6	1750	16½" x 16½"	24½ x 24½"
E-6	1410	1/4	1/6	1750	16½" x 16½"	24½ x 24½"
E-7	800	1/4	1/6	1750	13" x 13"	21" x 21"
E-8, E-9, E-10, E-11	6345	1/8"	3/4	1750	33" x 33"	41" x 41"

SECTION 10-10

HV UNIT IN ROOM 417

HV-37

SCALE ¼" = 1'-0"

SECTION 9-9

HV UNIT IN ROOM 410

HV-36

SCALE ¼" = 1'-0"

SECTION 8-8

HV UNIT IN ROOM 402

HV-31, 32 & 33

HV-30 IN ROOM 401, HV 34 IN ROOM 405 & HV-35 IN ROOM 409 ARE SIMILAR EXCEPT F.A.I. ARE THROUGH WALL AT FLOOR

SCALE ¼" = 1'-0"

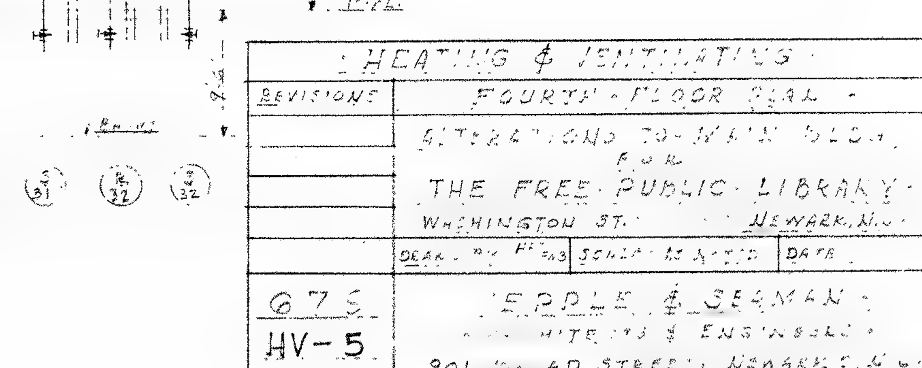
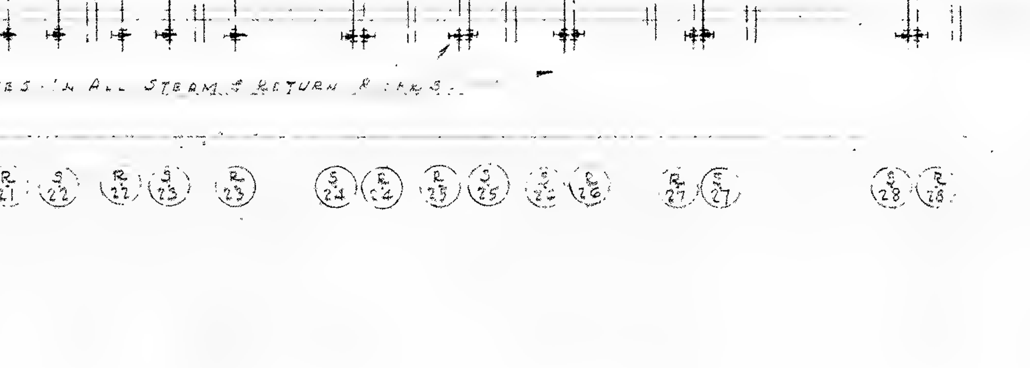
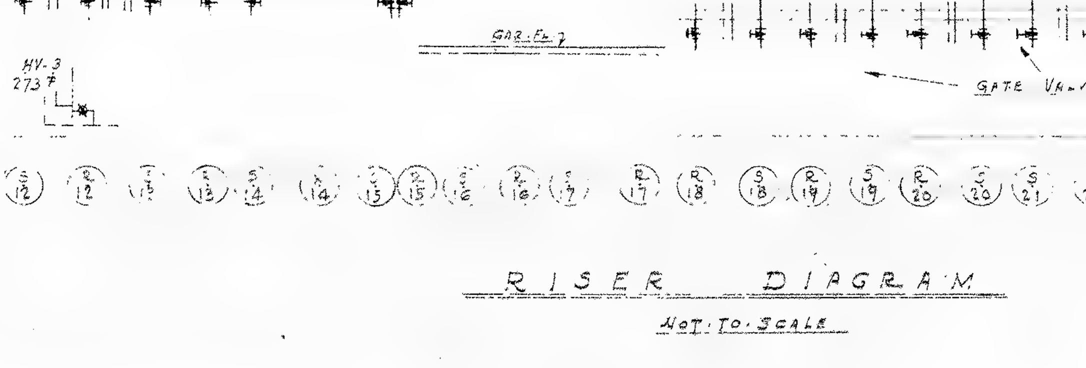
PLAN OF PROJECTOR ROOM

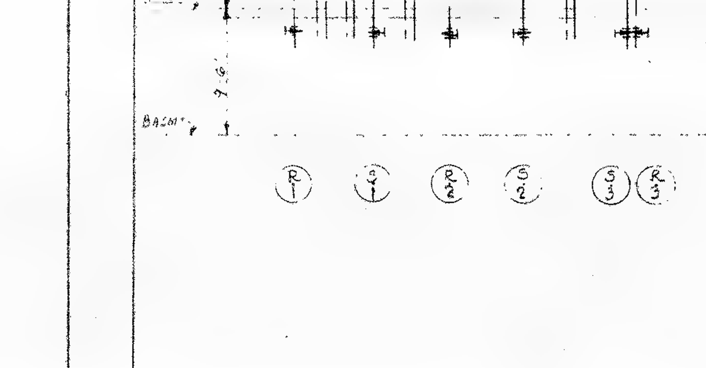
FOURTH FLOOR PLAN

SCALE ⅛" = 1'-0"

RISER DIAGRAM

NOT TO SCALE



HEATING & VENTILATING

FOURTH FLOOR PLAN

REVISIONS

ALTERATIONS TO MAIN BLDG. FOR THE FREE PUBLIC LIBRARY

WASHINGTON ST. NEWARK, N.J.

DRAWN BY | SCALE: AS NOTED | DATE

675

HV-5

EPPLE & SEAMAN

ARCHITECTS & ENGINEERS

901 BROAD STREET, NEWARK, N.J.

REMOVE EXISTING SOIL, DRAINS & WATER LINES AT WALL & CEILING.

CONTINUE EXISTING SOIL FROM CEILING TO BEL. FL. & CONNECT TO EXISTING HOUSE DRAIN.

EXISTING DRAINS NOW RUN AT A LEVEL HIGHER THAN NEW BASMT. FLOOR SHALL BE RE-INSTALLED BELOW NEW BASMT FLOOR.

HOSE BIBB

SHUT OFF VALVE

EXISTING HOUSE DRAIN

EXISTING C.O. SEE G.N. NO. 1

1" C.W. AT CEILING

CONNECT TO EXISTING DRAIN

STACK NO. 5 COMBINE NEW & OLD SOIL AT CEILING & DROP TO BEL. FL.

1/2" C.W. UP TO 1ST FL WATER COOLER.

1/2" C.W. AT CEILING

EXISTING H.W. TANK TO BE RELOCATED BY HEATING CONTR. PLUMBING CONTR. TO DISCONNECT & RECONNECT WATER PIPING.

CONNECT TO EXISTING C.W., H.W., & H.W.C. RISERS AT CEILING

RISERS FOR STACK NO. 5 1 1/2" C.W., 3/4" H.W. & 1/2" H.W.C.

1 1/2" DROP TO HOSE CABINET WITH VALVE & 50' LINEN HOSE.

1" H.W.C. AT CEILING

1/2" C.W. AT CEILING

1/2" C.W. UP TO 1ST FL WATER COOLER.

1 1/2" FIRE LINE

1 1/2" UP TO 1ST FL FOR 4 W.C., 2 UR., & 1 LAV.

4" SOIL FROM 1ST FL.

SHUT OFF VALVE

1 1/2" UP TO 1ST FL FIRE HOSE CAB

1/2" H.W. UP TO 1ST FL. LAV.

3" C.W. AT CEILING

3" C.W. UP TO CEILING

NEW 2" RISER FOR FIRE HOSE.

3/4" C.W. & 3/4" H.W. UP TO 1ST FL. S.S.

EXISTING 1 1/2" C.W., 1" H.W. & 3/4" H.W.C. AT CEILING

REROUTE EXISTING WATER SERVICE & RELOCATE METER & VALVES.

EXISTING WATER SERVICE

EXISTING 6" SEWER TO ESSEX ST

REROUTE SEWERS AT NEW STAIR ENCLOSURE

3" LEADER

EXISTING WATER METER

GAS LIGHT OUTLET ON WALL

1/2" GAS TO EACH BOILER

1 1/4" C.W. TO EACH BOILER

ON CEILING 2" C.W. 1 1/2" H.W. 1 1/4" GAS

3/4" UP TO 1ST FL. GAS RANGE.

1/2" UP TO 1ST FL. GAS REFRIG.

1/2" C.W. UP TO 1ST FL E.W.C.

1/2" C.W. & 1/2" H.W. UP TO 1ST FL. SINK

3/4" C.W. & 3/4" H.W. UP TO 1ST FL. FOR 5 LAV.

1 1/4" C.W. UP TO 1ST FL. FOR 2 W.C.

STACK NO. 3 4" SOIL

1/2" H.W. UP TO 1ST FL. FOR 2 LAV.

1 1/2" C.W. UP TO 1ST FL. FOR 3 W.C., 2 UR., & 2 LAV.

CONNECT TO EXISTING HOUSE DRAIN

EXISTING HOUSE TRAP

EXISTING 10" SEWER TO WASHINGTON ST

REMOVE EXISTING S.S. INSTALL NEW S.S. CONNECT TO EXISTING DRAIN & NEW WATER SUPPLY PIPES.

1/2" C.W. & 1/2" H.W. AT CEILING

ON CEILING 1 1/2" H.W. 2" C.W. 1 1/4" GAS

1 1/2" H.W. & 3/4" H.W.C. AT CEILING

1/2" C.W. & 1/2" H.W. UP TO 1ST FL. LAV.

3" WASTE FROM 1ST FL.

NEW 4" DRAIN BEL. FLOOR CONNECT TO EXISTING DRAIN

EXISTING C.O. SEE G.N. NO. 1

1 1/2" H.W. 2" C.W. 1 1/4" GAS ON WALL

STACK NO. 2 EXISTING SOIL NEW 1 1/4" C.W., 3/4" H.W. & 1/2" H.W.C.

NEW 2" C.W., 1 1/2" H.W., 3/4" H.W.C. & 1 1/4 GAS ON WALL BELOW STAIR PLATFORM.

REMOVE EXISTING DRAIN & WATER PIPES AT CEILING.

EXISTING HOUSE DRAIN

NEW 4" DRAIN BEL. FLOOR CONNECT TO EXISTING DRAIN

EXISTING HOUSE TRAP

STACK NO. 1 NEW 4" SOIL 1 1/2" C.W., 1" H.W. & 1/2" H.W.C.

EXISTING SOIL, C.W., H.W. & H.W.C. RISERS CONNECT TO NEW MAINS ON WALL.

2" C.W.

1 1/4" GAS

EXISTING HOUSE SEWER

EXISTING WATER METER & VALVES.

EXISTING 3" CITY SERVICE.

EXISTING P.S. GAS SERVICE.

EXISTING P.S. GAS METER

1" C.W. ON WALL

3" C.W. ON WALL

BASEMENT FLOOR PLAN

PLUMBING ABBREVIATION & SYMBOLS

Symbol	Abbreviation	Meaning
	W.C.	WATER CLOSET
	UR.	URINAL
	LAV.	LAVATORY
	S.S.	SERVICE SINK
	S.	SOIL
– – – – –	V.	VENT
————	W.	WASTE
—·—·—	C.W.	COLD WATER
—··—	H.W.	HOT WATER
—···—	H.W.C.	HOT WATER CIRCULATING
	E.W.C.	ELECTRIC WATER COOLER
	C.O.	CLEAN-OUT
—×—×—	G.	GAS.

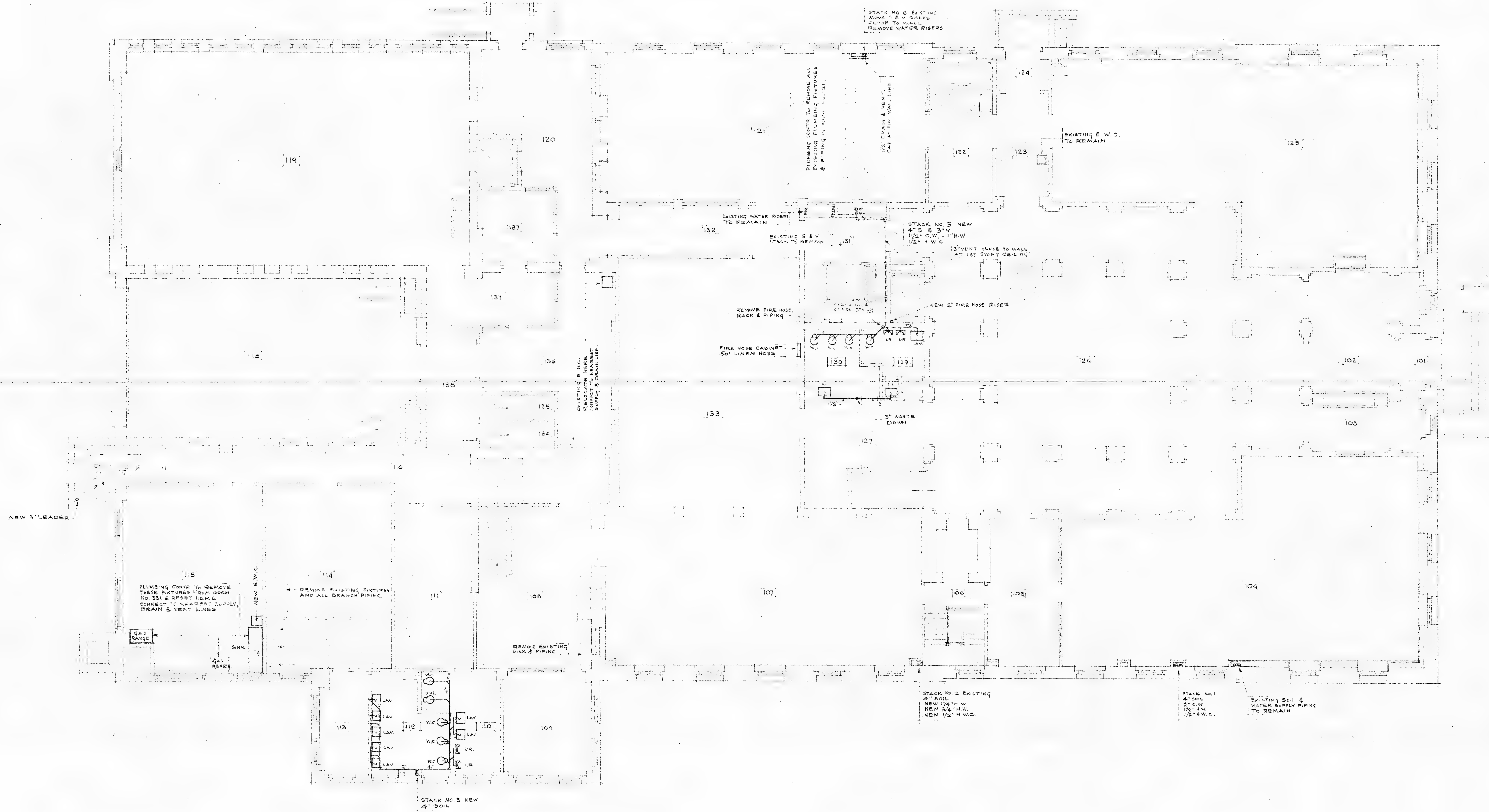
GENERAL NOTES

1. REMOVE EXISTING C.O. NOW ABOVE FLOOR AND INSTALL NEW C.O. WITH BRASS PLUG FLUSH WITH FINISHED FLOOR.
2. SEE DWG A-19 FOR KEY PLAN OF WORK STEPS.
3. SEE DWG A-12 FOR TOILET ROOM PLANS & DETAILS.
4. KITCHEN EQUIPMENT NOW LOCATED IN ROOM 331 & NOTED TO BE MOVED TO ROOM 115 ARE NOT ARE NOT TO BE DISCONNECTED & MOVED UNTIL THE WORK IN STEPS NO. 2 IS COMPLETED.
5. EXISTING SINK IN ROOM 328 & LAVATORY IN ROOM 325 ARE TO BE REMOVED INCLUDING ALL EXPOSED PIPING CONNECTED THERETO.
6. PROVIDE SHUT-OFF VALVES AT BOTTOM OF ALL HOT & COLD WATER RISERS.

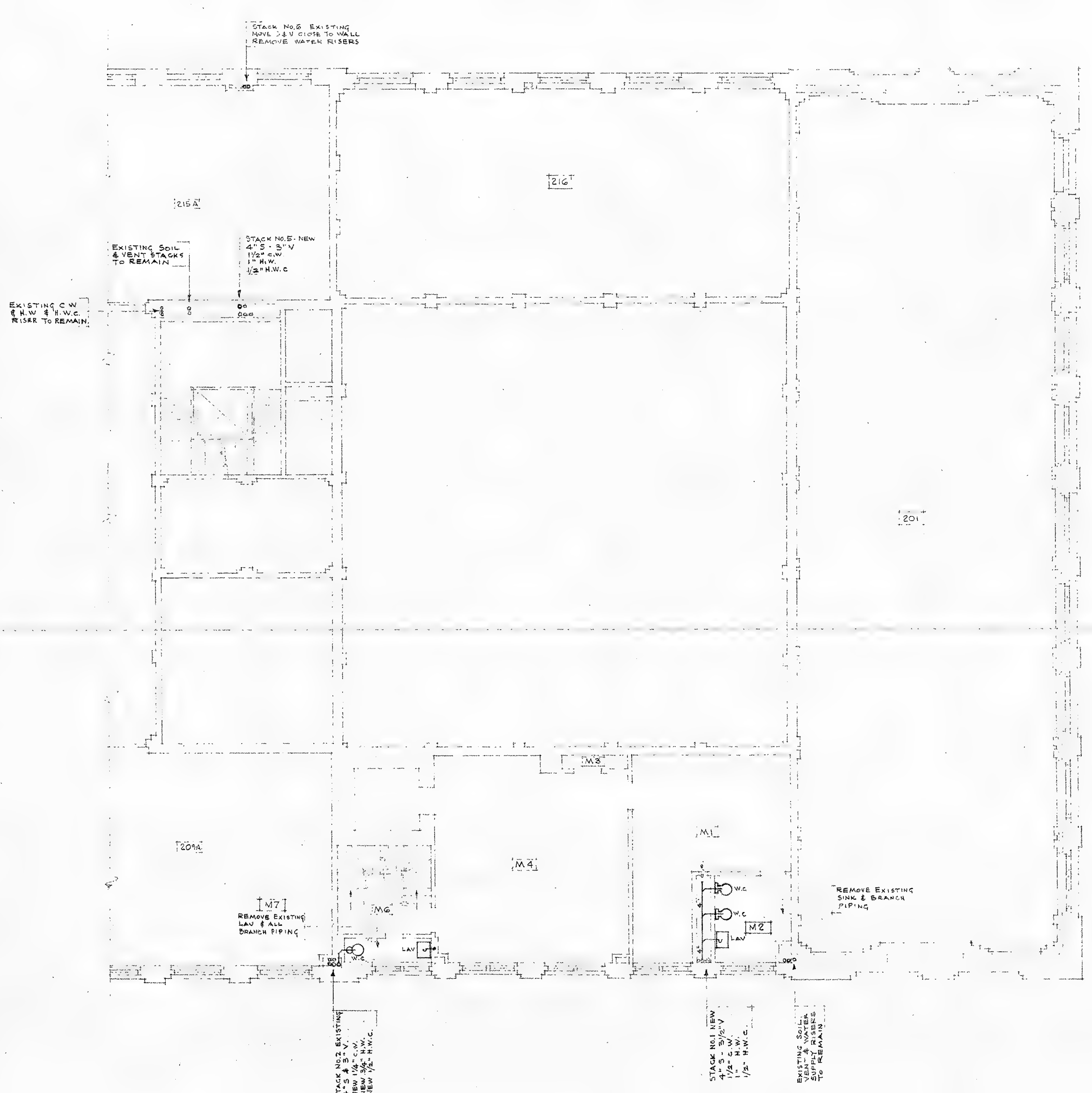
REVISIONS	PLUMBING
	BASEMENT FLOOR PLAN
	ALTERATIONS TO MAIN BLDG FOR THE FREE PUBLIC LIBRARY WASHINGTON ST. NEWARK. N. J.
	DRAWN BY: / SCALE: 1/8"=1'-0" / DATE:
679 P-1	EPPLE & SEAMAN ARCHITECTS & ENGINEERS 901 BROAD STREET, NEWARK 2, N. J.

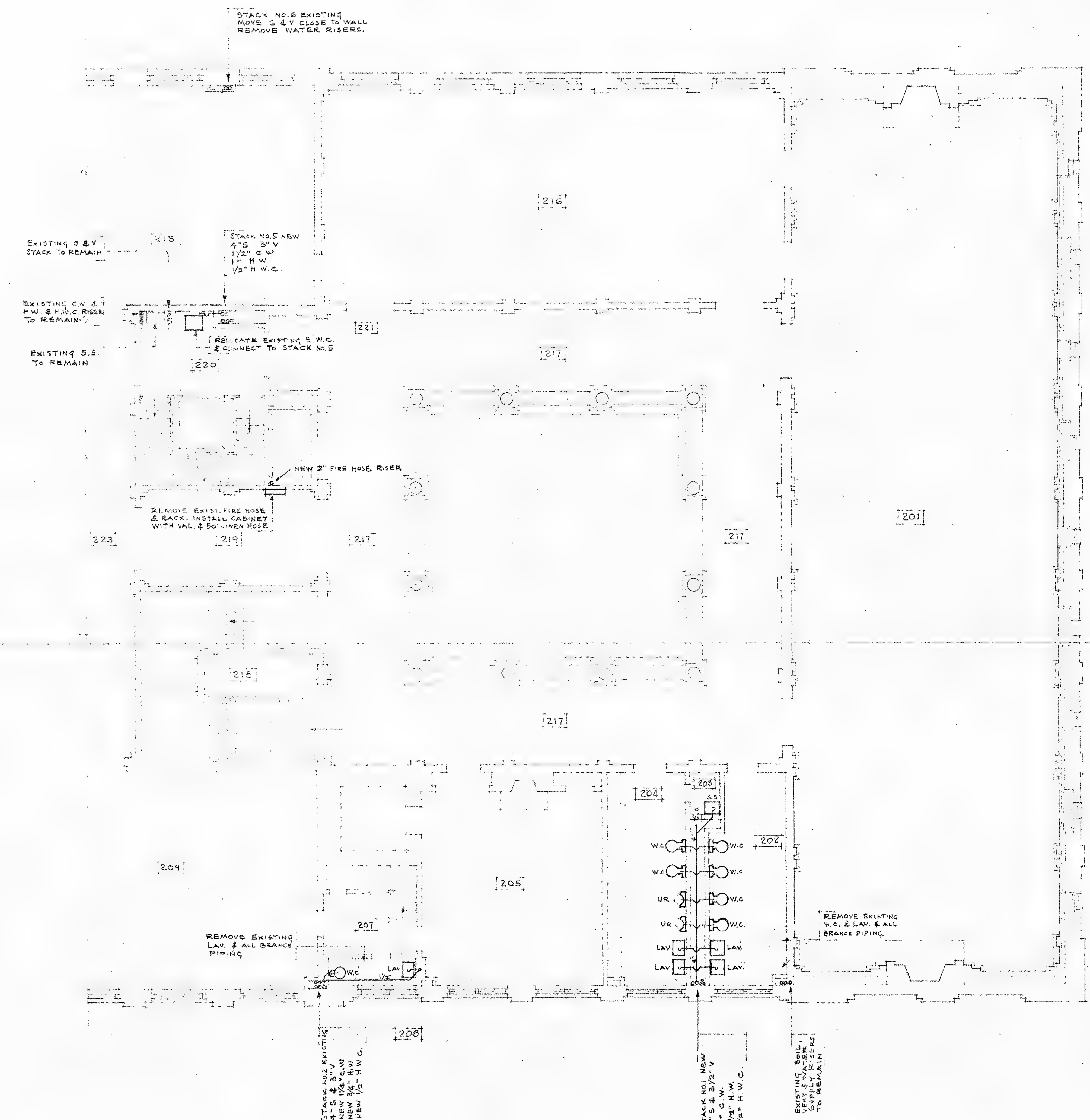
SCHEDULE OF PLUMBING FIXTURES
(PLATE NUMBERS INDICATED ARE FROM STD. SANITARY CORP. CATALOG.)

FIXTURE	WATER CLOSET (FLOOR TYPE)	WATER CLOSET (WALL HUNG)	URINAL (WALL HUNG) LIP 18" ABV. FLOOR	URINAL (WALL HUNG) LIP 22" ABV. FLOOR	SERVICE SINK 22" x 18"	LAVATORY 20" x 18"	ELECTRIC WATER COOLER
PLATE NO. NAME & SPECIFICATION	MADERA - F2223VS SYPHON JET ELONGATED CLOS. WITH TOP SPUD. CHURCH SANI-BLACK SEAT NO 2500 - CHINA BOLT CAP SLOAN FLUSH VALVE 110FYV WITH VAC BREAKER.	GLENCO - F2490VS SYPHON JET ELONGATED WALL CLOS. WITH TOP SPUD. CHURCH SANI-BLACK SEAT NO. 2500 - NO. 5 SUPPORT SLOAN FLUSH VALVE 112YV WITH VAC. BREAKER	WASHALL - F6200 C VITREOUS CHINA URINAL SLOAN FLUSH VALVE 185 LOOSE HEAD LAG SCREWS WALL HANGERS	WASHALL - F6200C VITREOUS CHINA URINAL SLOAN FLUSH VALVE 185 LOOSE HEAD LAG SCREWS WALL HANGERS	ARGO - P7705A C.I. ENAMELED, PAINTED OUTSIDE - WALL HANGER CB CHROMARD FINISH. RIM GUARD BOLTED TO RIM. P7798 TRAP STANDARD WITH CLEANOUT PLUG B914 DBL SINK FAUCET B997E PLUG WITH GRID.	BUENA - F357S VITREOUS CHINA LAV. NO 13 CONCEALED SUPPORT WITH ENAMELED BRACKETS B708 - RENU. COMB. SUPPLY & POP-UP DRAIN FITTING B792 - 3/8" SUPPLY PIPES B960 - 1 1/4" P TRAP EXPOSED METAL, CHROMARD	GENERAL ELECTRIC BUBBLER TYPE R545
LOCATED IN ROOM NUMBER	110 112 129 130 208 332 M7	202 204 408 409 M2	129	110 204 408	11 128 203 407	110 112 129 130 202 204 208 M2 M7 332 408 409	115 414

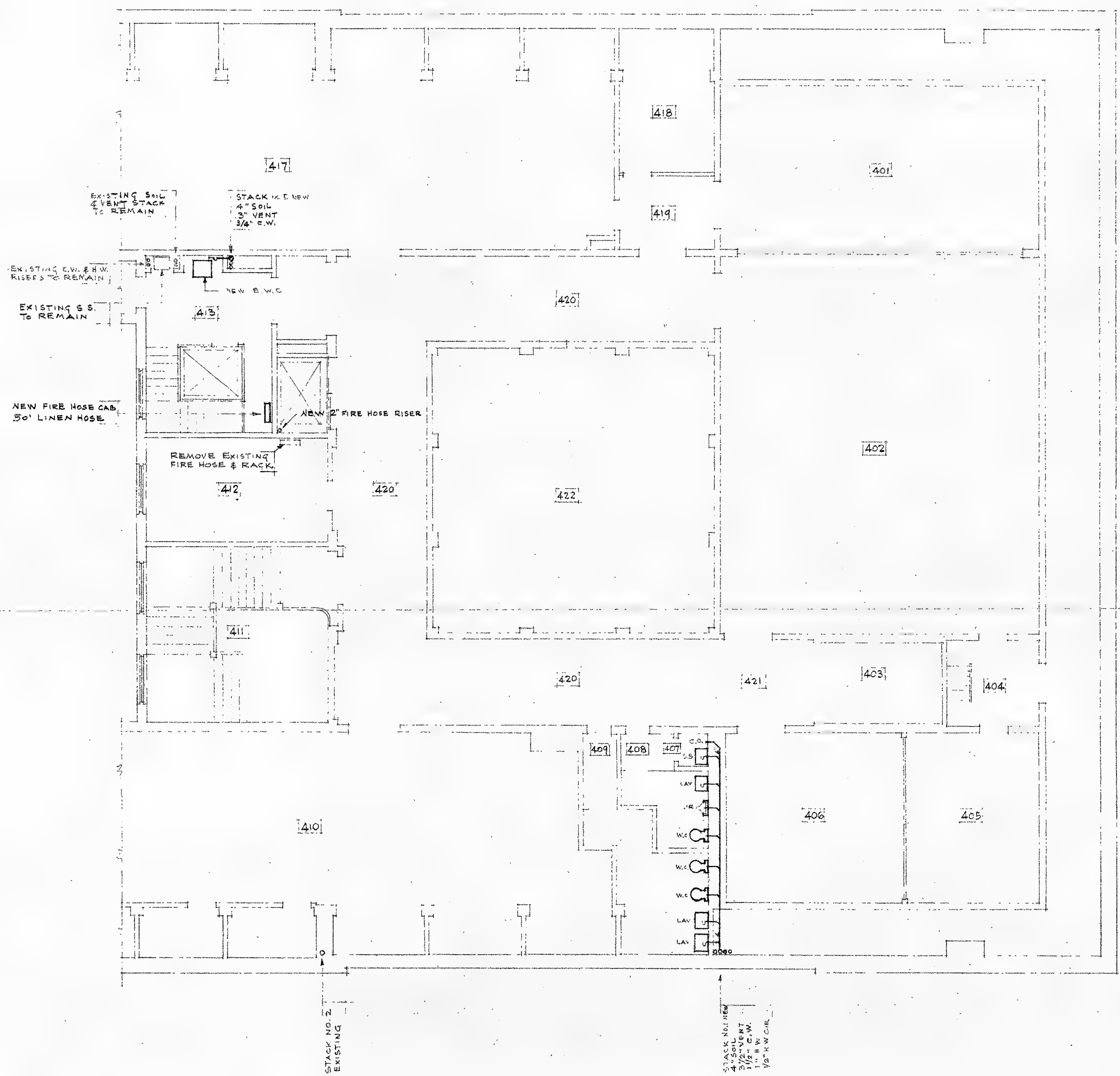


PLUMBING	
REVISIONS	FIRST FLOOR PLAN
	ALTERATIONS TO MAIN BLDG FOR THE FREE PUBLIC LIBRARY WASHINGTON ST - NEWARK - N.J.
	DRAWN BY: / SCALE: 1/8" = 1'-0" / DATE:
679 P.2	EPPLE & SEAMAN ARCHITECTS & ENGINEERS 901 BROAD STREET. NEWARK 2, N. J.

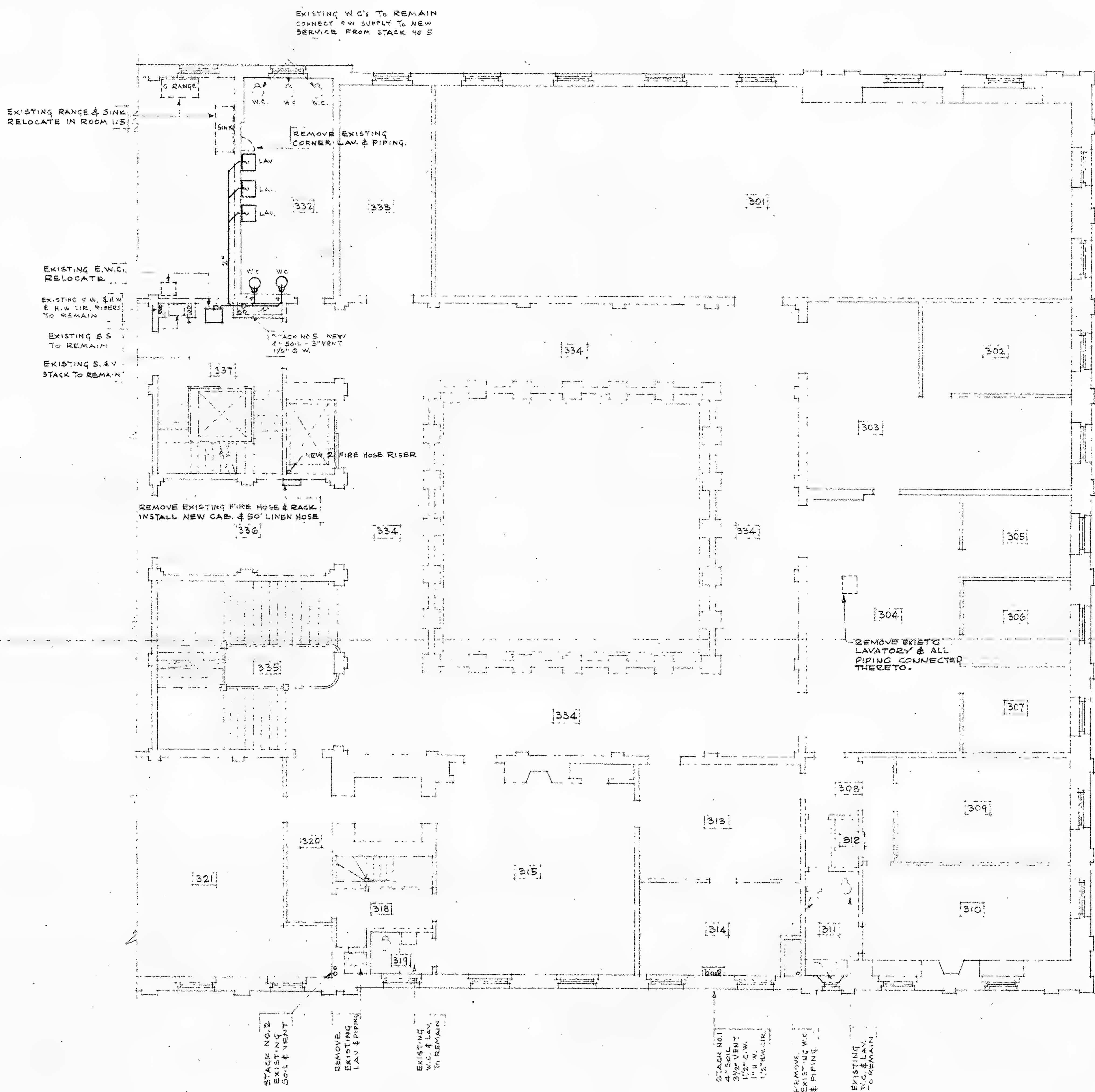

MEZZ. FLOOR PLAN


2ND FLOOR PLAN

	PLUMBING
REVISIONS	MEZZANINE & 2ND FLOOR PLANS
	ALTERATIONS TO MAIN BLDG FOR THE FREE PUBLIC LIBRARY WASHINGTON ST. NEWARK · N · J ·
	DRAWN BY: SCALE: 1/8" = 1'-0" DATE:
679 P.3	EPPLE & SEAMAN ARCHITECTS & ENGINEERS 901 BROAD STREET, NEWARK 2, N. J.



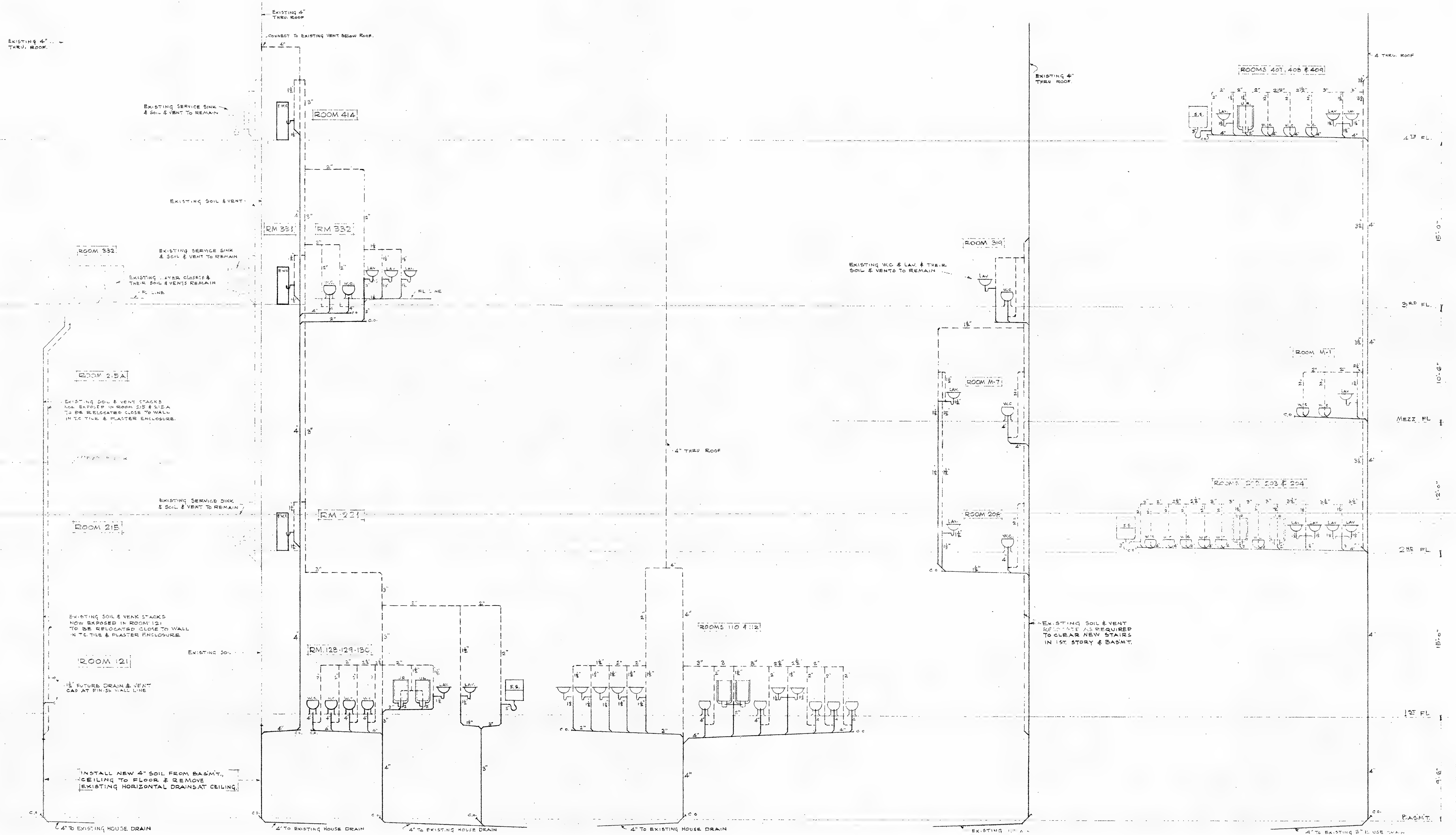
4th FLOOR PLAN



3RD FLOOR PLAN

NOTE - ROOMS 325 & 328 NOT SHOWN ON THIS PLAN. PLUMBING CONTR. SHALL REMOVE FROM EACH ROOM, ONE SINK & ALL EXPOSED CONNECTED PIPE

REVISIONS	PLUMBING 3RD & 4TH FLOOR PLANS
	ALTERATIONS TO MAIN BLDG FOR THE FREE PUBLIC LIBRARY WASHINGTON ST. NEWARK N.J.
	DRAWN BY: SCALE: 1/8" = 1'-0" DATE:
679 P4	EPPLE & SEAMAN ARCHITECTS & ENGINEERS 901 BROAD STREET, NEWARK 2, N.J.



PLUMBING
RISER DIAGRAM

ALTERATIONS TO MAIN BLDG
FOR
THE FREE PUBLIC LIBRARY
WASHINGTON ST. NEWARK, N. J.

REVISIONS | DRAWN BY: | SCALE: NONE | DATE:

EPPLE & SEAMAN
ARCHITECTS & ENGINEERS
901 BROAD STREET NEWARK 2 N. J.

679
P.5

CHILLED WATER REFRIGERATION MACHINE

M'F'R.	MFR NO.	CHILLED WATER CAPACITY GPM	TEMP IN	TEMP. OUT	P.D.	CONDENSER WATER CAPACITY GPM	TEMP IN	TEMP OUT	P.D.
ACME INDUST.	HE-20	50	53	44	15'	52	95	85	10.8'

NOTES

NO.-1 - CONDENSING TEMP. -105°

NO-2 REFRIGERANT SHALL BE R-22.

NO-3 20 H.P. COMPRESSOR MOTOR - 208-3-60

SCHEMATIC PIPING DIAGRAM
NOT TO SCALE

CONNECT NEW 4" LINES TO EXIST. 4" CAPPED OUTLETS

AUTO. AIR VALVE - 2 FOR EACH COIL

FOR PIPE SIZE SEE PLAN

NEW VALVE IN BY-PASS LINE FOR A/C-1 & A/C-2

EXIST. CHILLED WATER COIL TYP. FOR-2

CHILLED WATER CONTROL VALVE

CHILLED WATER COOLING COIL-TYP. FOR ALL A/C UNITS

DRAIN CONNEC. ON A/C UNIT PAN

EXIST. LINES TO EXIST. COOLING TOWER

NEW VALVE CONNECTION

EXIST. WATER CHILLER

EXIST. LINES

EXIST. CONDENSING UNIT

2" CORNICE DRAIN

ANGLES BOLTED TO BASE

WELD

TO FLOOR DRAIN

8 HIGH CONS. BASE

CAULK WATERTIGHT

TO EXIST. COND. WATER PUMP

TO EXIST. CH. WATER PUMP

30 H.P. COMP.

CHILLED WATER REFRIG. MACHINE SET ON VIBR. ISOL.

CHILLED WATER REFRIGERATION MACHINE & PIPING LOCATED IN BASEMENT MACHINE ROOM

END ELEVATION A/C UNIT 5
A/C UNIT 6 OPPOSITE HAND

SCALE 1/4" = 1'-0"

UNDERSIDE OF ROOF

O.A. DUCT

MOTOR LOCATION TO CLEAR LEDGE

VIBRATION ISOLATORS

WALK SPACE FL.

24"x24" ALUM ROD

REAR ELEVATION — END ELEVATION
A/C UNIT #3

SCALE 1/4" = 1'-0"

PRESENT CLG.

UNDERSIDE OF ROOF

WALK SPACE

VIBRATION ISOLATORS

MOTOR LOCATION TO CLEAR LEDGE

REAR ELEVATION — END ELEVATION
A/C UNIT #4

SCALE 1/4" = 1'-0"

UNDERSIDE OF ROOF

WALK SPACE

PRESENT O.A. DUCT

AUTO. O.A. DPR.

3-HIGH VELOCITY FILTERS

REAR ELEVATION A/C UNITS 5 & 6

SCALE 1/4" = 1'-0"

CONNECT NEW 18"x18" TO PRES. O.A. DUCT

FOURTH FLOOR PLAN
SCALE 1/8" = 1'-0"

CATALOG DEPT.

MEETING ROOM #1

MEETING ROOM #2

FLAT ROOF

ROOF

PRESENT DUCT

RUN NEW F&R MAIN ABOVE HUNG CLG.

4#6-1¼"C. RUN ABOVE HUNG CEILING

CONNECT 4" F&R MAIN TO EXIST. CAPPED LINES OUTSIDE BLDG.

4#6-1¼"C. DN. TO EXISTING SWITCHBOARD IN BSMT.

NOTE: RELOCATE PRESENT ELECTRIC CONDUITS TO PROVIDE CLEARANCE FOR DUCTWORK.

4#12-¾"C.

WALK SPACE

ELECTRICAL RISER DIAGRAM
(NO SCALE)

ROOF

TROUGH

4#12-¾"C.

4#6-1¼"C.

4TH FLR.

3RD FLR.

2ND FLR.

1ST FLR.

BSMT.

A/C-3, A/C-4, A/C-5, A/C-6

PROVIDE NEW 100A-3P-S/N FR. S/B IN EXISTING SWITCHBOARD

SPARE 60A S/B ON EXISTING SWITCHBOARD

3#4-1¼"C.

CHILLER

NOTES

SYMBOLS

GATE VALVE

THERMOMETER

FLEXIBLE CONNECTION

BALANCING FITTING

ON-OFF ELECTRIC SWITCH

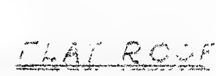
OUTDOOR AIR DPR.

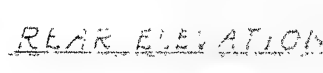
POSITIONING SWITCH

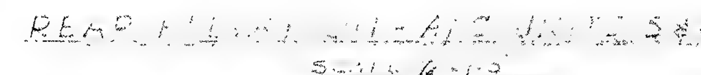
MOTOR STARTER

SAFETY SWITCH - 3 = 30 AMP. ETC.

MOTOR - NUMBER INDICATES HORSEPOWER





HERBERT FOX & ASSOCIATES
CONSULTING ENGINEERS
115 SO. ORANGE AVE.
SOUTH ORANGE, N.J.

· AIR CONDITIONING ·

REVISIONS

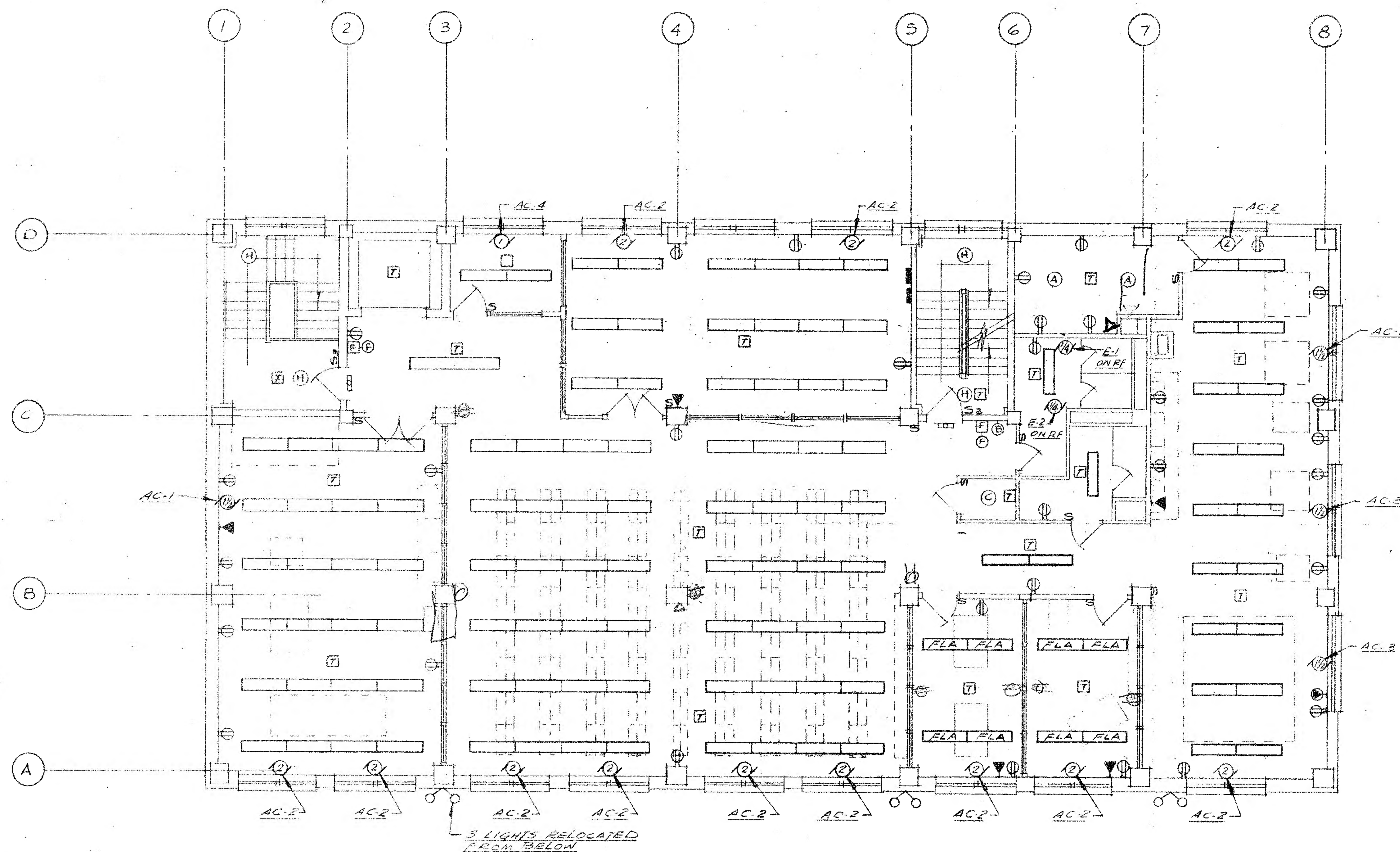
· FOURTH · FLOOR · PLAN ·

· ALTERATIONS · TO · MAIN · BLDG. ·
FOR
· THE · FREE · PUBLIC · LIBRARY ·
WASHINGTON ST. NEWARK, N.J.

DRAWN BY DKC | SCALE: AS NOTED | DATE: 1·10·61

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· ARCHITECTS & ENGINEERS ·
901 BROAD STREET · NEWARK 2, N.J.

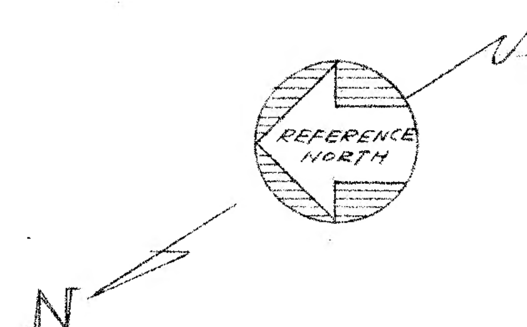
869
AC-1



THIRD FLOOR PLAN

SYMBOL LIST

- 2-40WATT FLUORESCENT LAMP FIXTURE
- FLA — 4-40WATT FLUORESCENT LAMP FIXTURE
- INCANDESCENT LAMP
- DUPLEX RECEPTACLE - 18" A.F.F.
- HEAVY DUTY RECEPTACLE - 30AMPS
- TELEPHONE OUTLET
- F F — FIRE ALARM STATION & GONG
- EXIT LIGHT
- B — DOOR BELL
- S — SINGLE POLE SWITCH
- S3 — THREE WAY SWITCH
- 2 — MOTOR · NUMBER INDICATES HORSE POWER
- MOTOR STARTER
- 3 — MOTOR DISCONNECT 3 : 30AMPS
- T — THERMAL DETECTOR



PRELIMINARY			
REVISIONS	FLOOR PLAN - ELECT.		
	PROPOSED ADDITION TO THE SERVICE BUILDING FOR THE FREE PUBLIC LIBRARY NEWARK, NEW JERSEY		
	DRAWN BY:	SCALE: 1/8" = 1'-0"	DATE:
972	EPPLE & SEAMAN ARCHITECTS & ENGINEERS C.H. PHILIPS & B.D. KAUFMAN ASSOCIATE ARCHITECTS 901 BROAD ST. NEWARK 2, N.J.		
E-1			

I. MENCHER
CONSULTING ENGINEER
1284 NORTH BROAD ST.
HILLSIDE, N.J.

DETAIL # 5

SCALE - 1/4" = 1'-0"

DETAIL # 4

SCALE - 1/4" = 1'-0"

DETAIL # 3

SCALE - 1/4" = 1'-0"

DETAIL # 2

SCALE - 1/4" = 1'-0"

DETAIL # 1

SCALE - 1/4" = 1'-0"

DETAIL # 9

SCALE - 1/4" = 1'-0"

DETAIL # 8

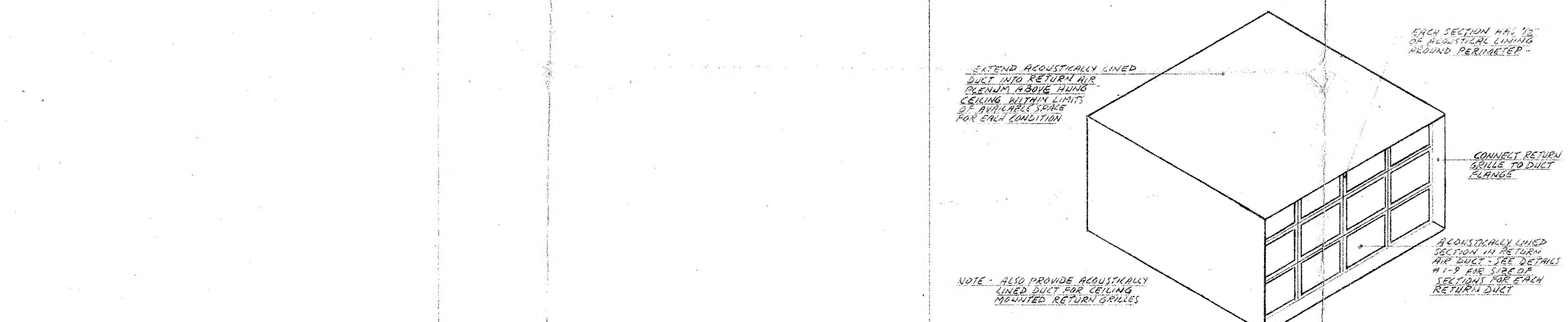
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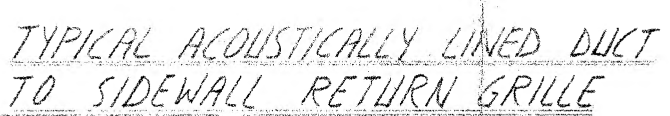
DETAIL # 7

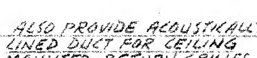
SCALE - 1/4" = 1'-0"

DETAIL # 6

SCALE - 1/4" = 1'-0"







TYPICAL ACOUSTICALLY LINED DUCT TO SIDEWALL RETURN GRILLE

NOTES

1) ARRANGE PIPING TO PROVIDE MAXIMUM SERVICE SPACE TO FAN COIL UNITS.

2) LOCATE HAND VALVES FOR EASY ACCESS

AIR INLET END OF FAN COIL CABINET

AIR FLOW

CHR

CHS

CHILLED WATER SUPPLY & RETURN PIPES UP TO MAINS

CONDENSATE DRAIN

HAND VALVES

3-WAY AUTOMATIC MIXING VALVE

PIPING CONNECTIONS TO FAN COIL UNITS

NOTES. 1) ALL SUPPLY AIR CORES ARE TO HAVE VOLUME DAMPERS BEHIND THEM IN DUCTWORK

2) GRILLES WITH R.A. CORES ARE TO HAVE ACOUSTICALLY LINED LENGTH OF DUCTWORK CONNECTED TO THEM WHICH WILL EXTEND INTO R.A. PLENUM ABOVE HUNG CEILING - THIS ALSO APPLIES TO CEILING MOUNTED RETURNS

UPPER CORE OF GRILLE

MIDDLE CORE OF GRILLE

LOWER CORE OF GRILLE

3" METAL STRIPS BETWEEN CORES FOR EVEN DISTRIBUTION OF SUPPLY AIR

TYPICAL DETAIL OF SIDEWALL GRILLES

HERBERT FOX & ASSOCIATES
CONSULTING ENGINEERS
115 SOUTH ORANGE AVE.
SOUTH ORANGE, N.J. 07079

Air Conditioning 3rd floor

REVISIONS

NEWARK PUBLIC LIBRARY DETAILS

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ARCHITECTS & ENGINEERS
C.H. PHILIPS & B.D. KAUFMAN
ASSOCIATE ARCHITECTS
310 SOUTH ST. MORRISTOWN, N.J.



PART FOURTH FLOOR & ROOF PLAN

SCALE 1/8" = 1'-0"

PART THIRD FLOOR PLAN

SCALE 1/8" = 1'-0"

Air Conditioning 3rd Floor

REVISIONS

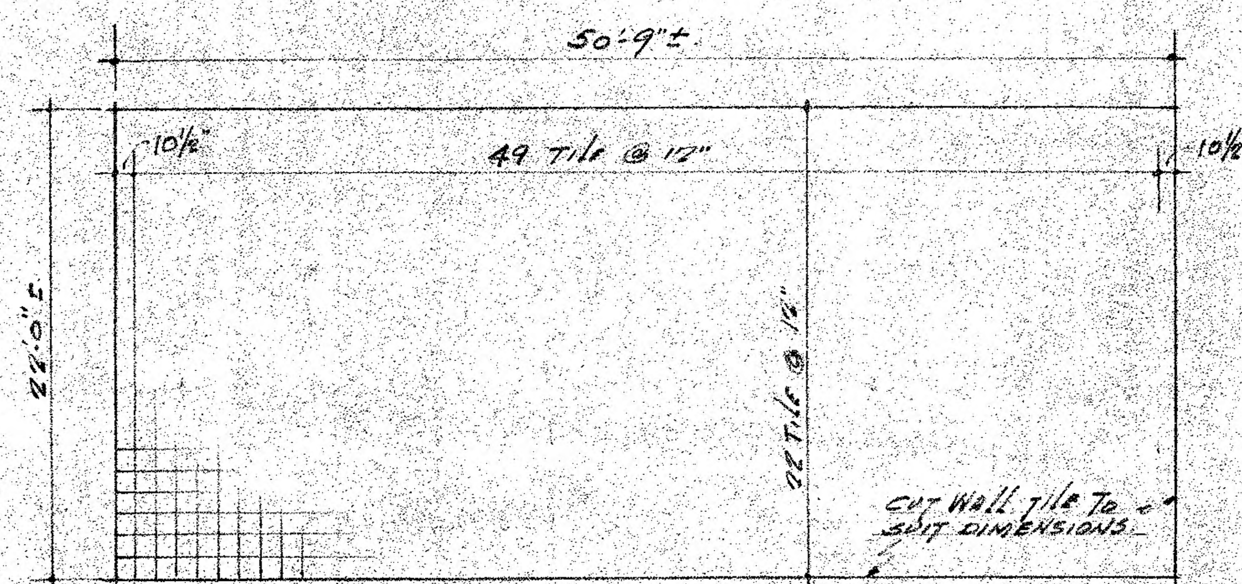
NEWARK PUBLIC LIBRARY
3 RD FLOOR

DRAWN BY: SCALE: DATE: 10/72

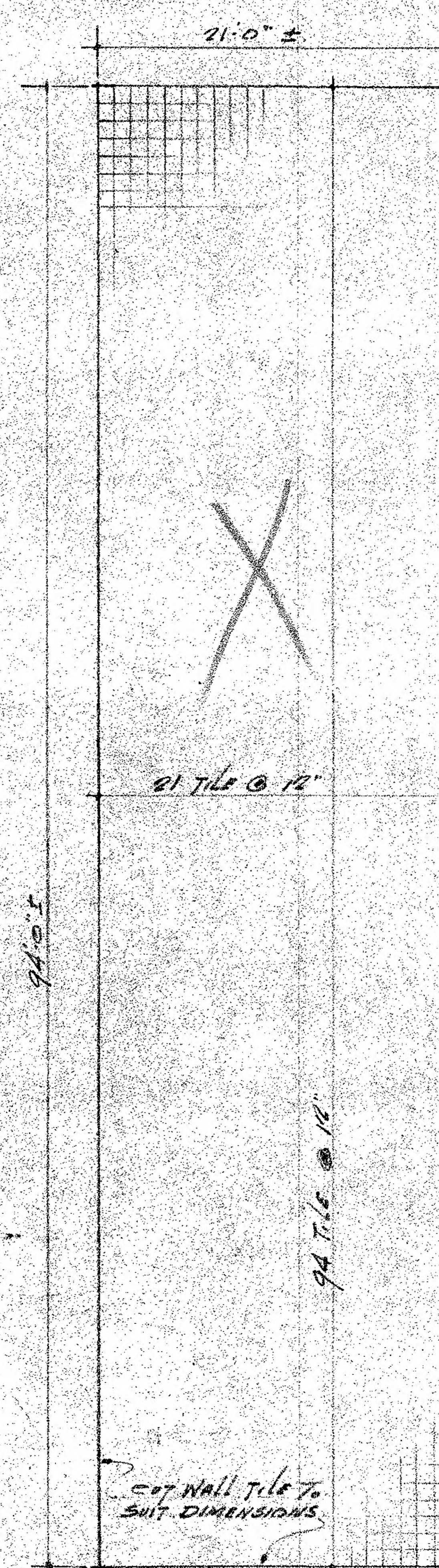
EPPLE & SEAMAN
ARCHITECTS & ENGINEERS
C.H. PHILIPS & B.D. KAUFMAN
ASSOCIATE ARCHITECTS
310 SOUTH ST. MORRISTOWN, N.J.

HERBERT FOX & ASSOCIATES
CONSULTING ENGINEERS
115 SOUTH ORANGE AVE.
SOUTH ORANGE, N.J. 07079

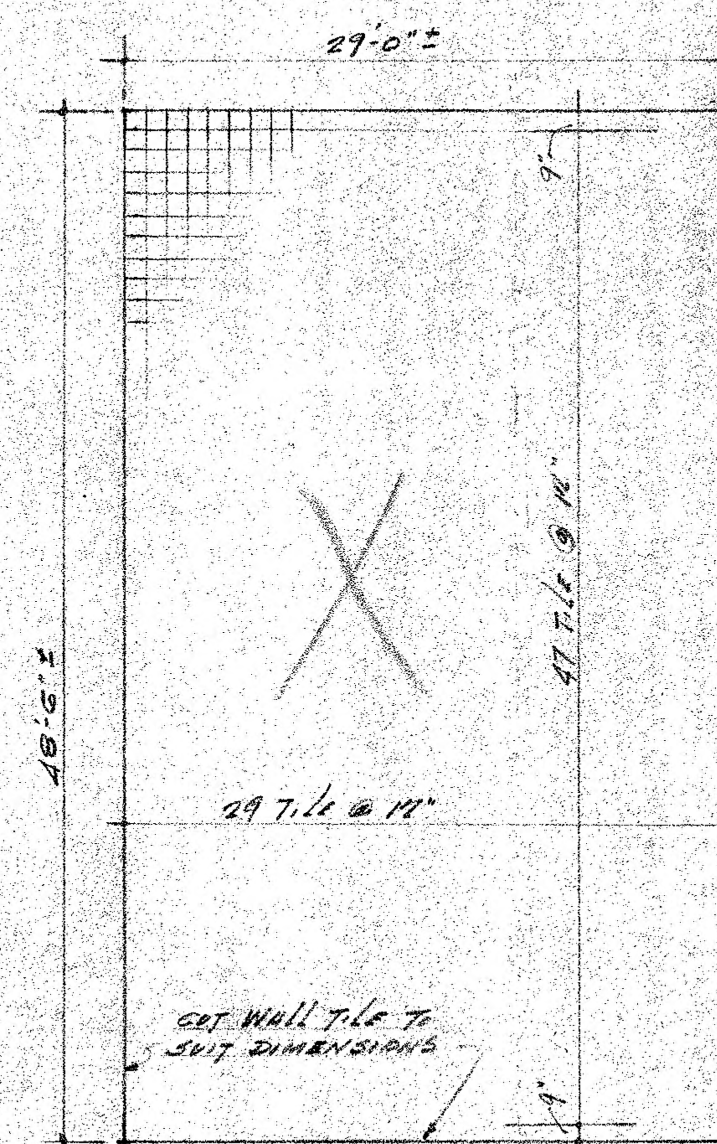
drawer 9



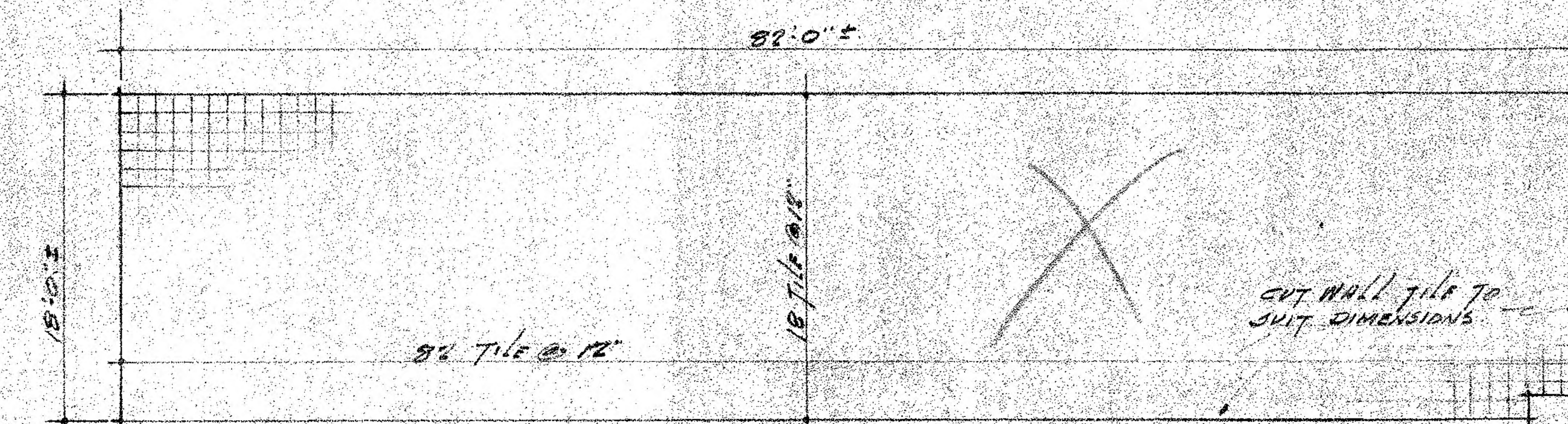
· ROOM 216 ·



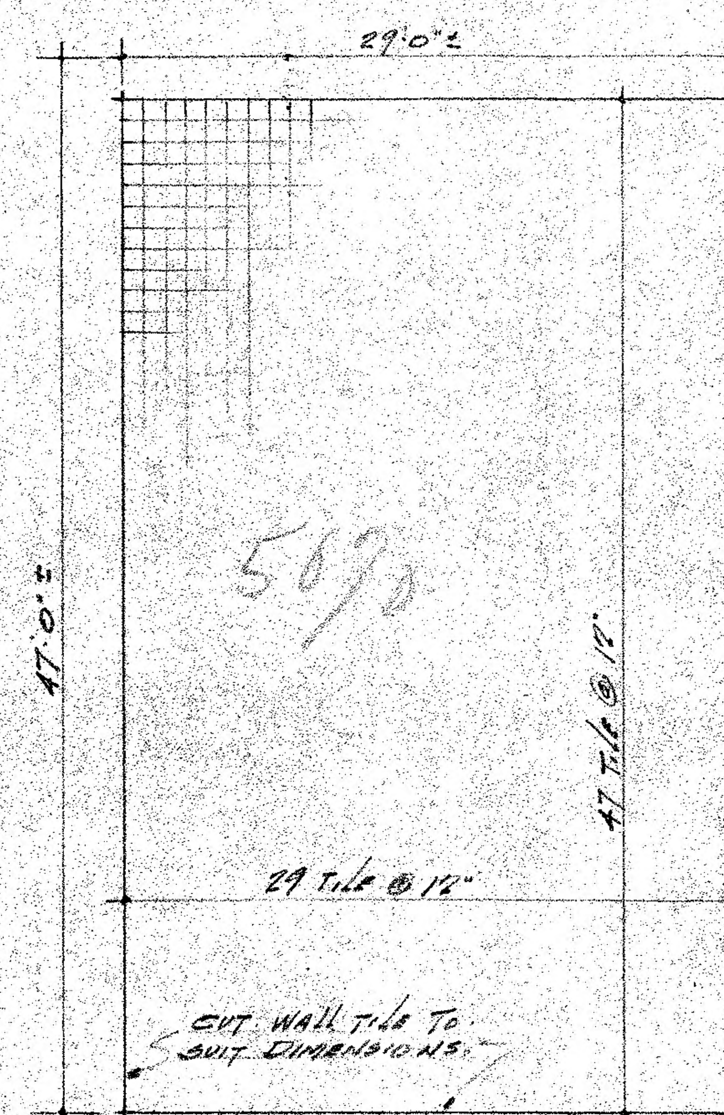
· ROOM 201 ·



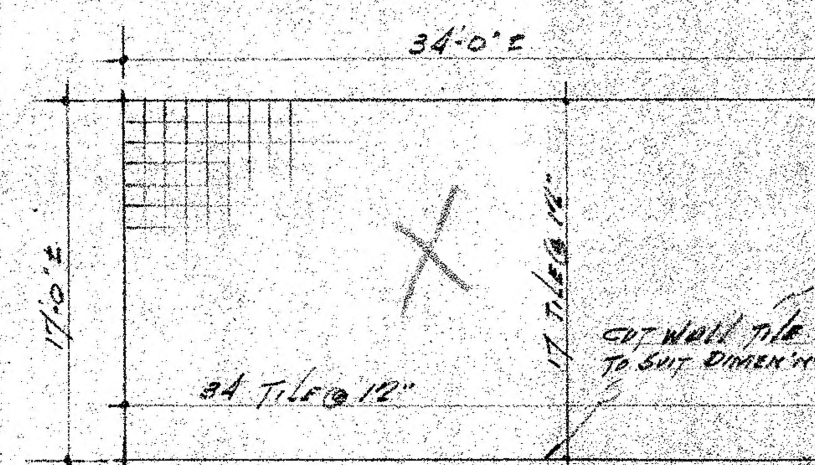
· ROOM 339 ·



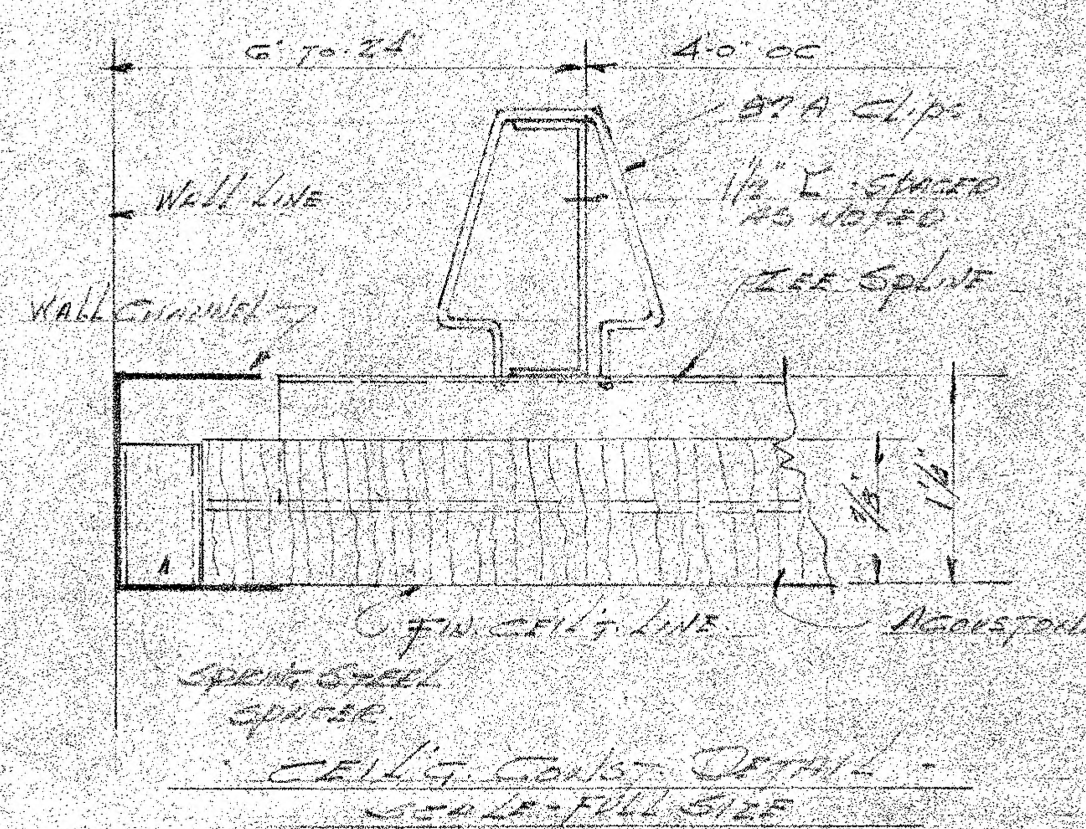
· ROOM 417 ·



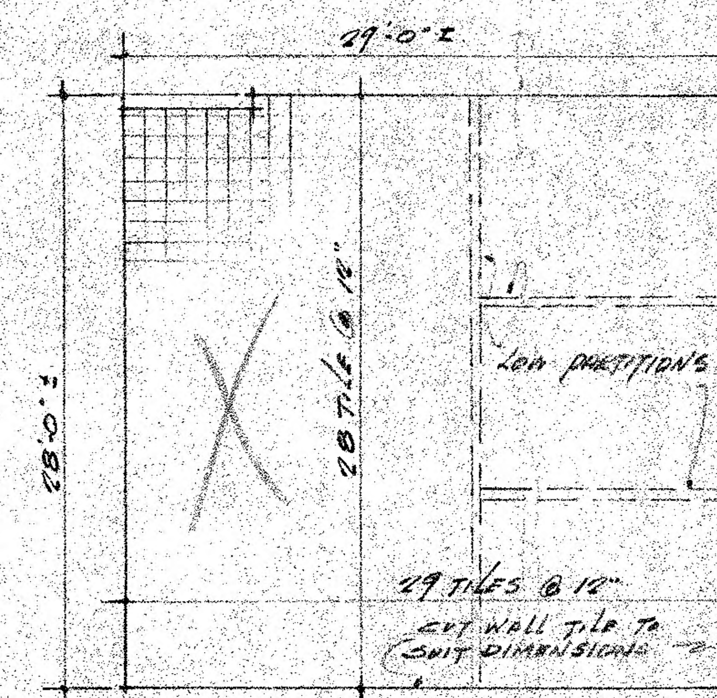
· ROOM 223 ·



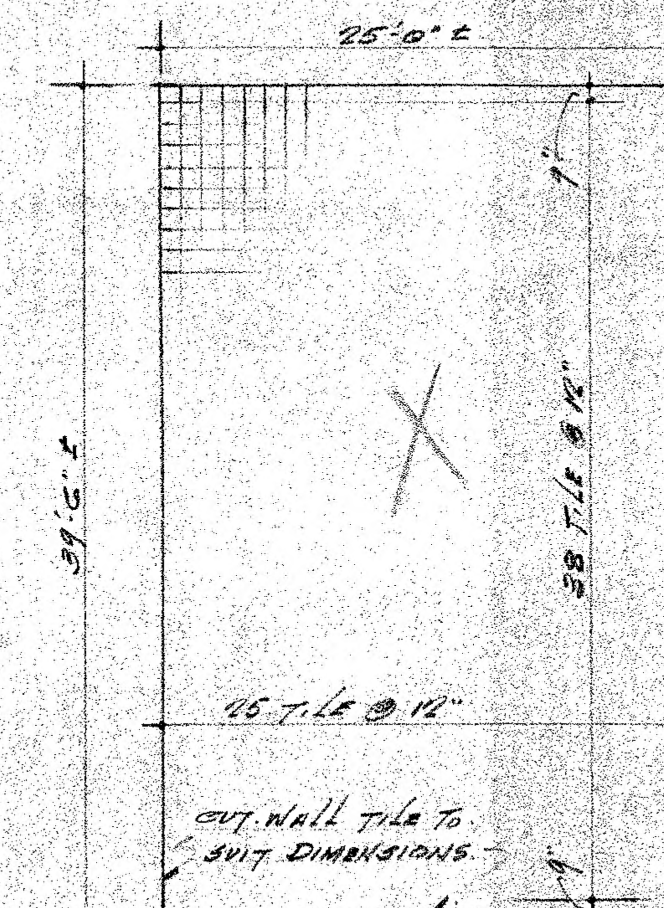
· ROOM 401 ·



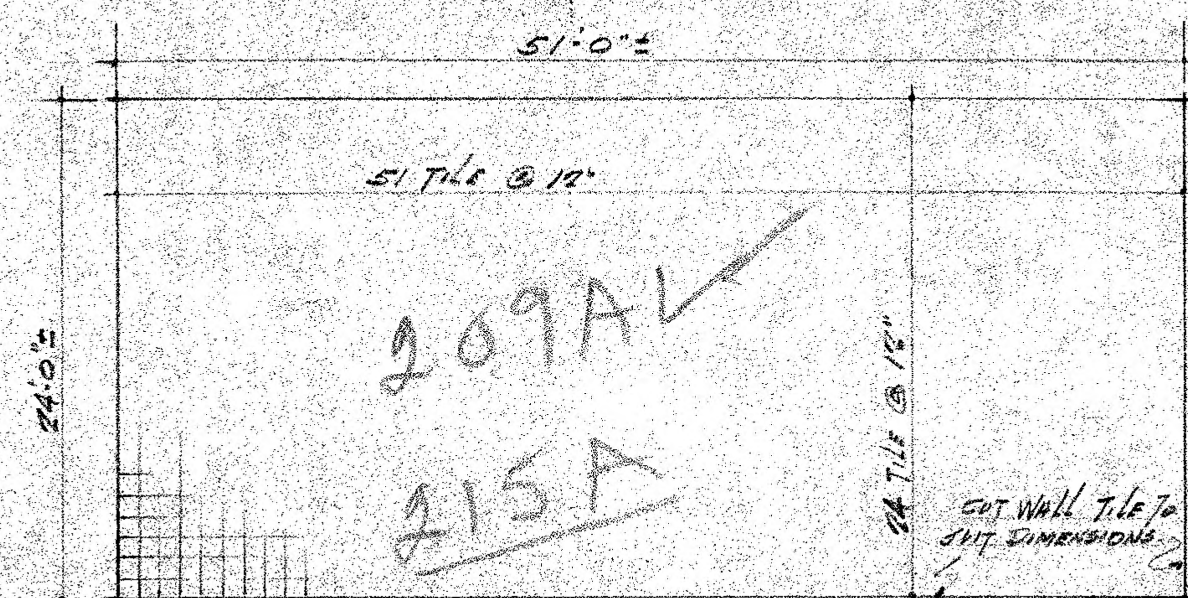
CEIL'G. CONST. DETAIL
SCALE - FULL SIZE



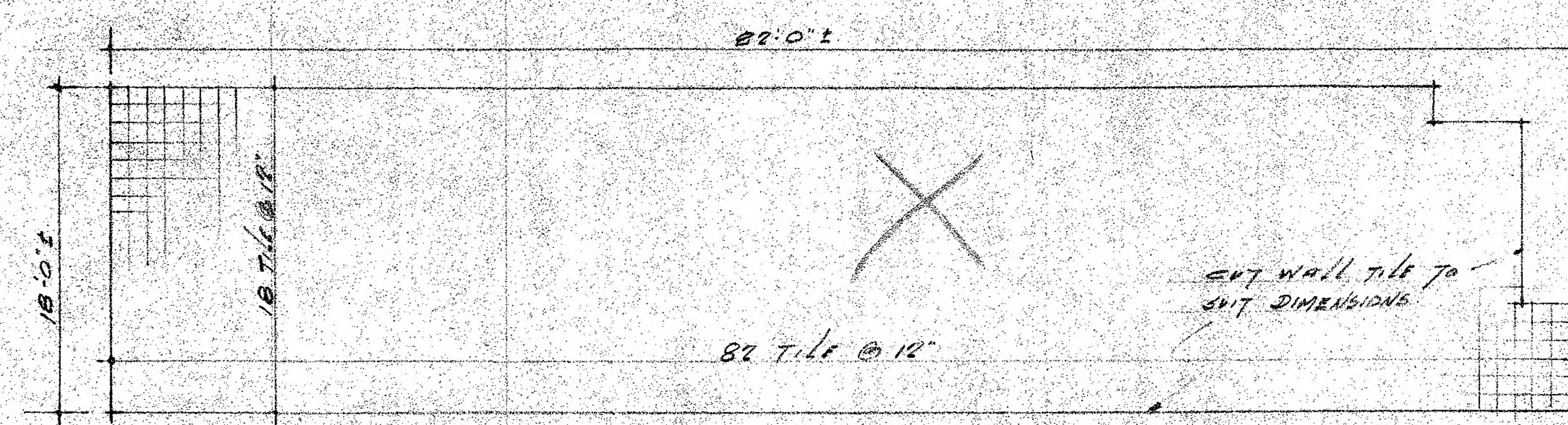
· ROOMS 304 TO 307 INCL ·



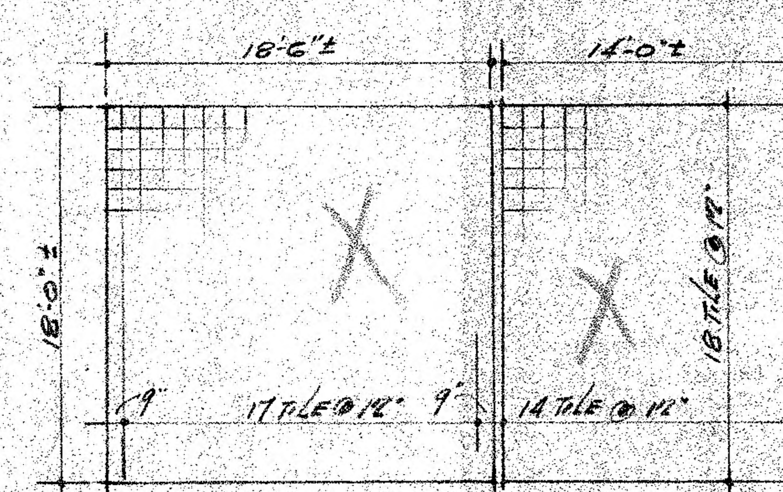
· ROOM 402 ·



ROOM 209 A ✓
· ROOM 215 A SIMILAR ·



· ROOM 410 ·



· ROOM 406 · · ROOM 405 ·

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